



[Alvin W. Boese Papers.](#)

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Gen's Tissue

TLA 5
TLA 6

July 9, 1946

Mr. Larry Larson

Dear Larry:

In regard to your letter of June 11th to Al Birch concerning the specifications for tissue cellulose of the Bureau of Medicine and Surgery, this specification is written directly around bleached sulphite soft wood pulp sheet; and while many of the sections such as weight and bursting strength can be met by "MISTLON", the general tone of the specifications are directed towards a wood pulp paper with qualities that would not include "MISTLON" in this picture because of our use of synthetic fibers.

In my discussion with Mr. Birch in Washington several weeks ago, it was thought that we may be able to present "MISTLON" to this bureau for their experimental work; and if it proves satisfactory or an improvement on the present type of material, that a new specification be written around our "MISTLON" sheet.

If you have any further questions, I would be glad to discuss them with you.

Alvin W. Boese ✓

AWB:mo

cc: Mr. R. J. Oace

June 11, 1946

Mistlon Lens Tissue

MR. A. L. BIRCH

Dear Al:

I am acknowledging your letter of June 4th, addressed to Mr. A. H. Butz regarding the specification on lens paper which you attached to your letter.

I am passing this specification on to Mr. Boese of our Mistlon Laboratory asking his opinion as to whether or not there is something we could come close to with our Mistlon Plastic Tissue.

Thank you again for forwarding this spec to St. Paul.

Very truly yours,

LEL:ku

cc: Mr. A. W. Boese

L. E. Larson
General Sales Department
"SCOTCH" TAPE Division

*al:
your comments pls.*

~~57-T-0337(INT)~~~~20 March 1941~~

BUREAU OF MEDICINE AND SURGERY

SPECIFICATION FOR

TISSUE, CELLULOSE.

A. APPLICABLE SPECIFICATIONS.

A-1. The following Navy Department and Federal Specifications, of the issue in effect on date of invitation for bids, form a part of this specification, and bidders and contractors should provide themselves with the necessary copies:

NAVY DEPARTMENT SPECIFICATIONS

General Specifications for Inspection of Material.

FEDERAL SPECIFICATIONS

UU-P-31, Paper; General Specifications.

B. TYPES, GRADES AND CLASS.

B-1. Tissue shall be of but one type, grade and class.

C. MATERIAL AND WORKMANSHIP.

C-1. Material.- Tissue shall be made from 100 percent bleached sulphite soft wood pulp and shall be free from visible impurities and foreign substance.

C-2. Workmanship.- Tissue shall be so manufactured as to produce a close-woven, cloth-like, soft non-scratching sheet of white paper capable of successfully passing the tests outlined in section "F".

D. GENERAL REQUIREMENTS.

D-1. See Section "E".

E. DETAIL REQUIREMENTS.

E-1. Construction.- Tissue shall be finely craped, two-ply, and shall be free from holes, dirt, wrinkles and torn sheets. There shall be a minimum of lint.

E-2. Size.- The unstretched sheet shall measure 9 x 10-inches with a

plus or minus tolerance of 3/16 of an inch.

E-3. Weight.- The average weight shall be 10.0 pounds, plus or minus 5 percent, based on 480 sheets, 24 x 36-inches.

E-4. Absorbency.- The tissue shall become completely wetted in 10 seconds when tested as outlined in Section "F".

E-5. Bursting strength.- The average bursting strength of 10 sheets shall be not less than 10 points.

E-6. Ash.- The incinerated sample shall yield not more than 0.4 percent ash.

E-7. Water-soluble substances.-

E-7a. Organic and Inorganic.- The aqueous solution shall show no color prior to evaporation, and after evaporation the residue shall not exceed 1 percent of the weight of the tissue taken for test.

E-7b. Inorganic.- Shall not exceed 0.4 percent of the weight of the tissue taken for test.

E-7c. Reaction.- No pink color shall develop when tested with phenolphthalein test solution and methyl orange test solution.

E-7d. Sizing.- Shall not exceed the limits for starch, dextrin, or other "make-weights" as outlined under Section "F".

F. METHODS OF SAMPLING, INSPECTION AND TESTS.

F-1. Sampling.- Six boxes of 500 sheets shall be taken at random for inspection and test to determine compliance with specification requirements.

F-2. Tests.-

F-2a. Absorbency.- Five (5) grams of the tissue shall be folded into a 2-1/2-inch square and sufficiently compressed to hold its shape. Ten samples shall be so prepared. Each sample shall in turn be dropped lightly on its broad surface on the surface of distilled water at 25° C., plus or minus 1° C. The time shall be recorded, using a stop watch, from the instant the sample

touches the water surface until completely wetted. Take the average of ten tests.

F-2b. Bursting strength.- Shall be determined in accordance with the applicable requirements of Federal Specification UU-P-31.

F-2d. Water-soluble substances.-

F-2d(1). Organic and inorganic.- Weigh accurately about one (1) gram of the material and place in a beaker containing 100 cubic centimeters of distilled water and boil for one-half hour, distilled water being added at intervals to replace loss by evaporation. After boiling the required time the sample shall be removed, the water pressed out, and the sample rinsed in two portions each of 25 cubic centimeters boiling distilled water. The water shall be pressed out after each rinsing, and the rinse water added to the original 100 cubic centimeters portion. The total aqueous solution, after filtering through a previously moistened filter paper shall show no coloration.

F-2d(2). Inorganic.- The inorganic portion of the total water-soluble substances shall be determined by incineration to constant weight of the dried organic and inorganic water-soluble substances.

F-2d(3). Reaction.- Place two (2) grams of the material in a beaker containing 100 cubic centimeters of distilled water and boil for five (5) minutes. Press out the water and remove the test piece. Filter and evaporate the filtrate to a volume of 10 cubic centimeters, cool and divide into two equal portions, and transfer each portion to a porcelain dish of suitable size. Add to one portion three (3) drops of phenolphthalein test solution and to the other portion one drop of methyl orange test solution. The phenolphthalein and methyl orange test solutions shall comply with the tests for sensitiveness specified by the U.S. Pharmacopoeia for such solutions.

F-2d(4). Sizing.-

F-2d(4a). Water extract.- a weighed portion of the tissue, cellulose, approximately 20 grams, shall be boiled for 15 minutes in 500 ml. of distilled

water, boiling distilled water being added at intervals to keep the volume at the original amount, the water pressed out, rinsed with two (2) portions of 250 ml. boiling distilled water, the water pressed out after each, the total water extract filtered through a wet #42 Whatman filter paper and the total volume made up to 1,000 mls. This 1,000 mls. of water extract shall be tested as follows:

F-2d(4b). Starch.- To 50 ml. of the water extract contained in a Nessler tube (approximately 15 mm x 350 mm) add 0.2 ml. of N/100 Iodine v.s. and mix. Compare against a starch standard prepared in a similar Nessler tube containing in 50 ml. distilled water 0.05 ml. starch test solution U.S.P. and 0.2 N/100 Iodine v.s. Color produced in the unknown tube shall not exceed that produced in the control tube when viewed through their long axis.

F-2d(4c). Dextrin.- 50 ml. of the water extract contained in a Nessler tube (approximately 15 x 350 ml.), shall show no brownish color upon the addition of 0.1 ml. Iodine test solution U.S.P. when compared with a similar tube containing distilled water and 0.1 Iodine test solution and viewed through their long axis. Dextrins, if present, are distinguished from starch by not yielding blue color with iodine; from maltose and dextrose by not reducing Fehling's solution; from gelatin by not yielding a precipitate with tannin.

F-2e. Identification and determination of fiber content.- The fiber content shall be determined in accordance with the applicable requirements of Federal Specification UU-P-31.

G. PACKAGING, PACKING AND MARKING FOR SHIPMENT.

G-1. Packaging.- Unless otherwise specified, 500 folded sheets shall be packaged in a tightly sealed dispensing carton.

G-2. Packing.- Unless otherwise specified, twenty-four packages of 500 tissues each, shall be delivered in standard commercial containers, so constructed as to insure acceptance by common or other carrier, for safe transportation at the lowest rate, to the point of delivery. At least two sides shall be free of

Commercial markings to permit stenciling for reshipment.

G-3. Marking.- Each shipping container shall be plainly stenciled in black on one end as follows:

REQUISITION NUMBER (as shown on contract or order).

STOCK NUMBER (as shown on contract or order).

NAME OF THE ITEM.

QUANTITY CONTAINED.

NAME OF CONTRACTOR.

GROSS WEIGHT.

H. NOTES.

H-1. It is believed that this specification adequately describes the characteristics necessary to secure the desired material, and that normally no samples will be necessary prior to award to determine compliance with this specification. If, for any particular purpose, samples with bids are necessary, they should be specifically asked for in the invitation for bids, and the particular purpose to be served by the bid sample should be definitely stated, the specification to apply in all other respects.

H-2. Copies of Navy Department specifications and any other specifications forming a part thereof may be obtained upon application to the Bureau of Supplies and Accounts, Navy Department, Washington, D.C., except that Naval activities should make application to the Commandant, Navy Yard, New York, N.Y. When requesting, refer to specification by both title and number (or symbol).

(19)

Lens Tissue

1-15-46

Jan II A 5

Today Ralph Pace and I ran a series of tests of Muelon as a lens tissue. Lot used 143

Control Papers were as follows

1. 002 Tropa Tissue order no D 96645
2. 0015 Dexter Tissue

Solvents used

1. Windex (bought 1/9/45)
2. Bonalve

Method of testing

A 3" black plate glass square was smeared with Bonalve or windex and wiped dry with the Muelon and tissues. The test was to determine whether the smear left by the solvent could be removed.

Bonalve - Muelon did not remove the smear, in fact seemed to leave more. The Bonalve partially dissolved or softened the acetate which mattered.

A washed ^(washed) sample of Muelon removed the smear better than the unwashed ~~(sample)~~ but left some of the smear and also partly dissolved it. It did not seem to increase the smear as did the unwashed, however it did partially dissolve. ~~Not~~ Very little. It was topped by Muelon.

Both the Dexter and Tropa removed the smear but left considerable lint.

Windex Muelon both washed and unwashed cleared the glass without smearing or linting.

Tropa and Dexter ^(cleaned) likewise but left considerable lint.

Alvin W Boese 1-15-46

Ralph J Pace 1-15-46

22222222

Gras. Cur. Mice.

August 16, 1945

New Era Optical Company
P. O. Box B.B.
17 North Wabash Ave.
Chicago, Illinois

Attention: Mr. T. G. Levitt

Gentlemen:

Thank you very much for your letter of August 7th, in which you ask for definite information regarding our new Mistlon Lens Wiping Tissue.

We are just now in the process of putting this line together for the market and we are sorry, but we do not have any definite information available as to distributors, prices and discounts, nor as to our packaging. However, this information should be ready within a month or so and as soon as it is available, we see to it that our Chicago Branch gives you the full picture on this new product.

Thank you very much for your interest.

Very truly yours,

MINNESOTA MINING & MANUFACTURING COMPANY

LEL:ku

cc: Mr. A. W. Boese

L. E. Larson
General Sales Department
"SCOTCH" TAPE Division

MINNESOTA MINING & MANUFACTURING COMPANY
INTER - OFFICE CORRESPONDENCE

NEW YORK, N. Y.
July 20, 1945

Done Tierney
Suggestive User
IIA 5
Subject: Federal Tel. & Tel. Co.
Tube Division
Clifton, New Jersey

ST. PAUL

Attention: Mr. A. W. Boese

Dear Al:-

Please advise Mr. F. W. Tierney at the above mentioned address, thickness, size of sheets and prices on "SCOTCH" Plastic Web, for cleaning radio tubes.

This is sent to you at the suggestion of Mr. McCoy, who is responsible for this lead. Please furnish us with a copy of your correspondence.

Yours very truly

JEM
J. E. MARSHALL
Sales Manager

"SCOTCH" TAPE Division

JEM:dm

MINING & MANUFACTURING COMPANY
IN RE: OFFICE CORRESPONDENCE

NEW YORK, N. Y.
JULY 20, 1945

Subject: Federal Tel. & T. I. Co.
Tide Division
Clifton, New Jersey

Attention: Mr. L. J. Jones

Dear Sirs:
Please advise Mr. F. W. Fisher at the above mentioned address, also of sheets and prices on "BOSTON" standard, for standard white tapes.
This is sent to you at the suggestion of Mr. McGee, who responded to this letter. Please furnish us with a copy of your correspondence.

Yours very truly

L. E. WATKINS
Sales Manager
"BOSTON" TAPES DIVISION

1945 JUL 23 AM 8:37

Prospective Customers
Miscellaneous

July 25, 1945

Federal Tel. & Tel. Co.
Tube Division
Clifton, N. J.

ATTENTION: Mr. T. W. Tierney

Dear Mr. Tierney:

Our New York sales office has requested that we send you a sample of our new product, Mistlon, for cleaning radio tubes.

This product is a lint-free, non-scratching material made of synthetic fibers. It is finding utility at present for cleaning and polishing, and packaging optical goods, fine machine parts, and any highly finished surface.

If after you have examined our material, you find it will have utility in your operation, we will be glad to quote prices in various quantities.

We thank you for your interest in our product, and look forward to hearing the results of your examination

Yours very truly,

A. W. Boese ✓

AWB:o

cc: Mr. J. E. Marshall New York
Mr. J. H. McCoy Cranford, N. J.
Mr. L. Larson
Mr. R. G. Drew

August 1, 1945

Subject: Lens Tissue

MR. L. E. LARSON

I recently talked with Dr. Brusell, a neighbor of mine, regarding our Lens Tissue. This gentleman has the optical shop at Schunemanns in St. Paul; apparently this is his own business and he merely takes space from the store.

In discussing Lens Tissue with him, he mentioned that he had tested this item before and found it very satisfactory. However, he maintained that if we market this item we should not promote it as a cleaning agent for glasses but rather as a polishing accessory after the glasses have been washed with soap and water. At present, in cleaning glasses he follows the soap and water method, and after drying them with a towel uses Kleenex in the final operation. I suggested that he try our Lens Tissue to dry the glasses after they have been washed, and he agreed to test the material I left with him.

He mentioned that to the best of his knowledge there are no distributors in this field, with the procedure being sale by the manufacturer to the optical supply jobber and then in turn to the retailer or consumer. However, he very frankly stated that he does not handle any so-called specialty items such as preparations to prevent the frosting of glasses or other items in this category. Therefore, he was not able to give us any information as to percentage of profit the trade would expect on this item.

He also stated that in his opinion we would be wise to market this item through drug stores, department stores, syndicate stores, etc. rather than to depend on optical shops as an outlet.

In his opinion there is a place for this item in the optical shop for the optometrist's own use but feels that larger sheets would be desirable. He suggested that we contact Reddy, Kuhl, Ackerman Co. and Arthur F. Williams who are well-known local opticians.

Dr. Brusell suggested that I contact him in about two weeks, and at that time he will probably have something of interest to us regarding the material we left with him for testing.

Yours very truly,

WPE:pmh

/s/

W. P. Erickson
General Sales Department
"SCOTCH" TAPE Division

Copy made 8/2 for: Mr. J. A. Borden
Mr. A. W. Boese

Prospective Customers
Miss

July 5, 1945

National Jet Company

PITTSBURGH

Attention: Mr. Thor Folkestad

I am acknowledging your letter of June 23rd, addressed to Mr. A. W. Boese regarding the subject account's inquiry on Lens Tissue in booklet form.

As Al explained to you, we are not interested in making these booklets available with special imprinting for the customer, but hope very shortly to market a booklet or packet of lens tissues for general consumption. The package is being worked on at this time, but it will probably be another month or two at least before we are in a position to give you anything definite on it as to size and quantity or price.

We are sorry that we cannot give this information to you sooner, but on these new products it takes a considerable length of time to get things set up and tested so that we know the item is acceptable for general consumption. As soon as we have anything definite on it, we will certainly let you know, and if you would like to have someone who is very familiar with this item to talk to your customer, please do not hesitate to ask at that time and we will do all we can to arrange for someone to make a call with you.

Very truly yours,

LEL:ku

cc: Mr. A. W. Boese

L. E. Larson
General Sales Department
"SCOTCH" TAPE Division

Proyestine Customers Misc

6-25-45

National Jet Co.
Lens Tissue Booklets

Mr. T. H. Folkestad
18 Zama Dr., Mt. Lebanon
Pittsburgh 16, Pa.

Dear Thor:

Regarding your inter-department communication of June 23,
Al Boese and Larry Larson are out of town, and Al will get in
touch with you when he returns.

E. F. Michl

EFM:o

cc: Mr. A. W. Boese
Mr. L. Larson
Mr. E. F. Michl

Letter in full Copy to Mr L.E. Tye
PUT IT IN WRITING. VERBAL MESSAGES ARE EASILY FORGOTTEN AND OFTEN MISUNDERSTOOD

HA5

INTER-DEPARTMENTAL COMMUNICATION

DATE

Jan - 10

19 46

M. M. & MFG. CO. FORM 96 A

TO: <i>Mr L.E. Lannon</i>	DEPT. OR BRANCH <i>St. Paul</i>	When Wanted
SUBJECT: <i>L.M. Prime Co. (opticians) Test of Mistle for polishing</i>		

Dear Larry:

You will remember that you left sample of Mistle for test here in the store. Altho the linen cloths they use leave some lint, it was decided that this was preferable to Mistle, because the linen absorbs moisture more rapidly.

I thought you would be interested in this angle,

Yours very truly
A. Pectrian
Anti-O

Inability to perform a task is pardonable but failure to notify your employer of such inability is unpardonable and inexcusable.

SIGNED BY

DEPT. OR
BRANCH

MINNESOTA MINING & MANUFACTURING COMPANY
INTER - OFFICE CORRESPONDENCE
NEW YORK, N. Y.

Cross. Inc.
Min.

August 17th, 1945

Subject:

ST. PAUL GENERAL SALES

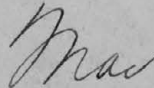
Attention: Mr. A. W. Boese

Dear Al:-

In looking over Mr. McCall's Daily Reports, I note that he apparently did not make connections with you on Monday, August 6th as you had requested in your letter of July 24th. I hope that you were able to see Spencer Lens and that the slip-up in connections did not inconvenience you too much.

I am afraid that the failure to make connections was largely my own fault. At the time of writing my July 27th letter setting up your Western New York trip, I overlooked completely the fact that Mr. McCall would be vacationing during the week of the 30th and as a result, he did not get to my letter until after his return on the 6th.

Yours very truly,



E. R. McLEOD
Sales Manager
"SCOTCH" TAPES DIVISION

ERM:SB

cc:- Mr. Geo McCall
Mr. F. K. Swenson, Buffalo

Projective Customers
Miss.

June 19, 1945

National Jet Co.
Lens Tissues Booklets

Mr. T. H. Folkestad
18 Zama Dr., Mt. Lebanon
Pittsburgh, Pa.

Dear Thor:

I have your note of June 12 relative to National Jet Company's request for quotations on Lens Tissue Booklets, 4 x 6" in size, 50 sheets to a book, printed with their name and address.

Our present plan is to put out booklets with a 3M Companies trade-mark. The booklet will be 4 x 6", have 30 sheets, and will retail for 25¢.

We have not set up our discount schedule as yet, but in quantities of 5000, it will be around 50%.

I do not think we want to consider the thought of making up special booklets as National Jet would like. However, if they would be interested in handling our booklets, I would be glad to have Mr. Larry Larson of our Tape Sales Department, who is handling this product, get in touch with you.

Thanks for your interest, Thor, and I look forward to seeing you on my next visit to Pittsburgh.

Yours very truly,

A. W. Boese ✓

AWB:o

cc: Mr. D. Drew
Mr. R. F. Sheahan
Mr. L. Larson

INTER-DEPARTMENT COMMUNICATION

DATE 6 - 12 1945

TO: Al B. Reese DEPT. OR ST. Paul
BRANCH

SUBJECT: National Jet Co Cumberland, Md.

Dear Al -

I am happy to report that subject account is very much pleased with Plastic web for cleaning pens'. They would like a quotation on 1000 2000 and 5000 book lots. Each book to have 5 sheets of Plastic web 4" x 6" in it. They would like the books printed as per sample attached. We can have book name on the package if we like too. I told the customer I



SIGNED BY

DEPT. OR
BRANCH

INTER-DEPARTMENT COMMUNICATION

DATE

19

To:

DEPT. OR
BRANCH

SUBJECT:

was not too sure we would
put his name on it. In other words
I have said nothing.

Would appreciate a word from
you as to price and printing and
how much printing we can
put on the book.

Yours very truly
H. H. H. H. H.

SIGNED BY

DEPT. OR
BRANCH

1945 JUN 16 AM 8:25

LENS PAPER

Book of 50 Sheets

Instructions : Lenses in Microscopes and other delicate Optical Instruments should be kept clean and free from dust. To clean Lenses, remove from holders, unscrewing carefully when necessary to avoid stripping threads. Tear out sheet of Lens Paper and after blowing off dust, wipe off lightly with one end of the sheet. Then polish with other end using a rotary motion.

NATIONAL JET Co.
~~SPENCER LENS COMPANY~~

~~19 DOAT STREET~~

~~BUFFALO, N. Y.~~

115 MILTON PLACE

CUMBERLAND, MD.

NATIONAL JET COMPANY

115 MILTON PLACE

CUMBERLAND, MARYLAND

Small and Microscopic

Precision Pivot Drills

*Precision Punches and
Reamers*

Instrument Parts

*Drilling Service in Steel
and other Materials*

INTER-DEPARTMENT COMMUNICATION

Presq. Comm.
Encls.

DATE 4 - 30 1945

TO: Mr. Boese

DEPT. OR
BRANCH

Lt Paul

SUBJECT: 3-M Plastic Web for National Jet Co.

Dear Al -

Thanks very much for your prompt response to my letter. Regarding number of sheets to a book. His thought was that what he is now using covers 100 sheets to a book. The last he got was made in Japan.

I don't know how much the account will buy in a year but his first order will be for 100 book. They want to sell it or give it out and expect to have their name printed on the covers

SIGNED BY

DEPT. OR
BRANCH

5-11-45
Jens Booklets

1945 MAY 4 AM 7:58

INTER-DEPARTMENT COMMUNICATION

DATE

19

To:

DEPT. OR
BRANCH

SUBJECT:

of the books some time later. They don't seem
to question price however but want
something real soft that will do the
work.

Will keep my eye peeled for any
other business.

Best Personal Regards
Fred E. Hunter

SIGNED BY

DEPT. OR
BRANCH

1945 MAY 4 AM 7:58

RECEIVED
FBI

RECEIVED
FBI

RECEIVED
FBI

Prospective Customers:
misc.

4/22/45

3M Plastic Web
for National Jet Co.

Mr. Thor Folkestad
18 Zama Drive
Pittsburgh 16, Pa.

Dear Thor:

Have your note of the 24th with reference to a lighter weight tissue for National Jet Co. This sample represents an early lot of material. We have since greatly improved our web and also lowered the weight about 20%. We would be willing to put up this sheet in booklets of 100 sheets each, but would recommend, that for giving out to the trade they limit the number of sheets in a book from 25 to 50, as our material is more durable than the paper types of lens cleaning tissue.

To quote a price on this article we would have to know how many sheets they want per booklet and also some estimate of their initial order and annual consumption.

I hope this information will help you and if we can be of any further assistance to you please let us know.

We are sending you under separate cover, two packs of 50 sheets each of our present product which is a lighter weight to submit to the subject company.

We appreciate your interest in our product and hope you will carry on the good work.

Yours very truly,

A. W. Boese

AWE/b

CC; Messrs.

R. G. Drow
R. F. Sheahan
J. A. Borden
D. J. Holliland
G. Meier

INTER-DEPARTMENT COMMUNICATION

DATE

4-24-45

TO:

DEPT. OR
BRANCH

St. Paul

SUBJECT:

attested.

Not knowing too much about
Plastic Web I am writing to you
for samples of different thicknesses.
This account is sending out lenses
and want to send a book of 100 sheets
4" x 6" each with each instrument.
Have you got anything thinner than
this sheet attached. Will you put
it up in books for the account?
Haven't gotten any place with
Celanese Corp as yet. The Pa.

SIGNED BY

DEPT. OR
BRANCH

APR 25 AM 8:15

MINNESOTA MINING & MANUFACTURING CO.

Including

BAEDER ADAMSON CO. — WAUSAU ABRASIVES CO.

FACTORIES: ST. PAUL, MINN.; DETROIT, MICH.; WAUSAU, WISC.; AKRON, OHIO.

Branches in Principal Cities

DATE <u>4-24-48</u>	Salesman	Terms of Sale
ORDER NO.	<u>FOLKESTAD</u>	<u>GRATIS</u>

SHIP TO THOR FOLKESTAD
 AT 18 ZAMA DR. PITTSBURGH (16) PA
 VIA Rush
 THRU (JOBBER) SAMPLES
 MARK: NATIONAL JET Co.

QUANTITY	Unit	Description	Price
		sample sheets of Plastic web lighter than sample.	

Signature of Buyer _____

our tests indicate the sample has a mean wt. of 11. lbs. and is soft. (Probably from a 4x6 foal)

at the present time we have some ^{old} sample
books 4"x6" which I would recommend to you
our books have 25 sheets

Books could be made of better material with a
run. wt. of 9.-10. lbs.

Handwritten notes on a piece of lined paper, including:

- Top left: A large, stylized scribble.
- Top center: $500,000$ and $3200,00$ with a diagonal line through them.
- Top right: 3750 and 3750 with a diagonal line through them.
- Middle left: 36 and 36 with a diagonal line through them.
- Middle right: 3750 and 3750 with a diagonal line through them.
- Bottom left: 300000 and 210000 with a diagonal line through them.
- Bottom center: 300000 and 300000 with a diagonal line through them.
- Bottom right: 300000 and 300000 with a diagonal line through them.
- Far right: 300000 and 300000 with a diagonal line through them.

Miss TIA 5

June 30, 1945

"SCOTCH" Web

MR. L. E. HOLDEN -

Dear Gene:

For your information, I am attaching a copy of a letter Mr. A. W. Boese wrote Mr. Bush regarding the sample of a product similar to "SCOTCH" Web you sent in a few weeks ago.

Yours very truly,

F. W. Manley
Sales Manager
St. Paul Branch

FWM:dl

Enc.

CC: Messrs. A. G. Bush
A. W. Boese ✓

W. J. M.

June 18, 1945

Mr. A. G. Bush:

Mr. Robert Sheahan has forwarded the attached sample to the laboratory for valuation as to whether it is Scotch Web. The attached material is a rope stock paper which appears to be a type made by the John Manning Paper Company, which is called Troya Tissue. It is used throughout the optical and highly finished machine products fields for polishing and wrapping. It is not lint free, lacks wet strength, and does not have the toughness that Scotch Web has. Although I do not know the exact price of this material, I know that our price is considerably higher.

Yours very truly,

A. W. Boese ✓

AWB:c

cc: Mr. R. F. Sheahan

File
June 26th, 1945

*Prod. Sec.
Miss*

Sperry Gyroscope

MR. J. E. MARSHALL

Dear John:-

I talked to Mr. A. S. Dick of Sperry Gyroscope this morning about our lens tissue. He said it was his understanding that they were using quite a quantity of it in their packaging department now as they had found it much tougher and lint-free over the other lens tissue. I told Mr. Dick that as far as I knew, and I know that this is correct, we have not as yet received an order from them and he thought that a call should be made to his department and Mr. Anderson in the Packaging Department and that we should be getting orders from them at this time. I would appreciate it, if at your convenience, you would have the man who calls at this plant stop in and talk to Mr. Dick and Mr. Anderson.

Yours very truly,

A. W. BOESE
"SCOTCH" Plastic Web

ZWB:SB

MINNESOTA MINING & MANUFACTURING COMPANY

Prospective Customer
Miss.

cc- Mr. A. W. Boese
Mr. J. E. Marshall - New York
Mr. R. F. Sheahan

May 26, 1945

Sperry Gyroscope Company
Nassau Plant
Great Neck, L.I., N.Y.

Attention Mr. Henry Mojar

Dear Mr. Mojar:

Mr. A. W. Boese of our Carding and Fabricating Laboratory had the pleasure of calling on you, Mr. Anderson and Mr. Eckersley last month to demonstrate Three-M Plastic Web as a packing material for fine lenses. He has asked me to quote price on this material as follows:

Square Feet	Standard Rolls		Standard Sheets	
	6".8".12".24" wide		6"x6".8"x8".12"x12".16"x16".24"x24"	
- - 4,999	\$0.02 per sq.ft.		\$0.025 per sq.ft.	
5,000 - 9,999	.0175		.0225	
10,000 - 24,999	.015		.02	

F.O.B. Great Neck, L.I., N.Y.; terms 2-10-30.

Additional price information for larger quantity purchases can be furnished on request.

Three-M Plastic Web is made of long synthetic fibers fabricated into a lint-free, soft, pliable material for fine lens packing and packaging. We feel sure you will like this product and we respectfully solicit your suggestions or criticisms. We look forward to hearing from you regarding the material and will be pleased to supply any additional samples or information you may require.

Yours very truly,

MINNESOTA MINING & MANUFACTURING COMPANY

D. J. Hollihan
Chemical and Color Division

djh/asm

cc: Mr. Robert Anderson, Manager Packaging Dept.

C
O
P
Y

*Prospective credit
m/sec*

MINNESOTA MINING & MANUFACTURING COMPANY

cc- Mr. A. W. Boese
Mr. J. E. Marshall - N.Y.
Mr. R. F. Sheahan

May 26, 1945

Sperry Gyroscope Company
Nassau Plant
Great Neck, L.I., N.Y.

Attention Mr. A. S. Dick, Purchasing Department 4646

Dear Mr. Dick:

Last month Mr. A. W. Boese of our Carding and Fabricating Laboratory had the pleasure of calling on you to demonstrate Three-M Plastic Web, a dry polishing medium for fine lenses. At that time you contemplated a comparative test of our material vs. other lens polishing tissues now used by your company. We do not know the results of these tests but we are confident Three-M Plastic Web had many advantages not found in other dry polishers and cleaners.

Microscope examinations have shown our web will readily remove grease, fingerprints and other smudges that accumulate during lens manufacturing. The long fibres of which our material is manufactured are soft and lint-free; the web is porous, absorbent and has unusual wet strength.

We will appreciate any comments or criticisms you may have to offer as a result of your tests on Plastic Web as your experience with this web will be a means of improving the characteristics of this product.

We are quoting prices applying to Three-M Plastic Web as follows:

Square Feet	Standard Rolls	Standard Sheets
	6", 8", 12", 24" wide	6"x6", 8"x8", 12"x12", 16"x16", 24"x24"
- - 4,999	\$0.02 per sq. ft.	\$ 0.025 per sq. ft.
5,000 - 9,999	.0175	.0225
10,000 - 24,999	.015	.02

F.O.B. Great Neck, L.I., N.Y.; terms 2-10-30.

Additional price information for larger quantity purchases can be furnished on request.

Should you require additional samples or further information, please feel free to call on us.

Yours very truly,

MINNESOTA MINING & MANUFACTURING COMPANY

D. J. Hollihan
Chemical and Color Division

rfs/asm

*Field Trip
TIA's
sent to*

April 3rd, 1945

Sperry Gyroscope Co.

MR. C. G. STRAKOSCH

Dear Charlie:-

Al Boese and who you probably know as the head of our 3-M Plastic Web Program will be in New York on the 11th, 12th and 13th of April and while here he wants to call on the Sperry Gyroscope people in regard to the use of Plastic Web for lens cleaning. Would appreciate it if you will arrange to meet Al here in the office some time during the early morning of the 11th and to make the Sperry call with him. I hope that this will not inconvenience you or upset any program you might have.

Yours very truly,

ERN:SB

cc:- Mr. J. E. Marshall
Mr. A. W. Boese ✓

E. R. McLEOD
Sales Manager
"SCOTCH" TAPES DIVISION

Superfine Lens Cleaner Co.

manufacturers

37-45 WEST 20th STREET
New York 11, N. Y.
Telephone: WAtkins 9-2780

June 13, 1945

Mr. E. F. Michl
Carfab Laboratories
Mim. Mining & Mfg. Co.
St. Paul 6, Mim.

Dear Mr. Michl:

This is in reply to your request for information regarding our products addressed to "Aero Products".

Samples of our Nos. 1 and 2 linen Lens Cleaning Tissues are herewith enclosed. Prices are as follows: Size 4x6" packed 1000 sheets to a box @\$1.04, 6x8" @\$1.95 and 8x12" @\$3.38 per box of 1000 sheets. Special sizes and tissue on rolls will be made up to your specifications.

Please note the strength and absorption qualities of these tissues.

We are also enclosing sample of our new "Lint-Free Lens Cloth" which has been recently developed to meet war requirements to keep high precision instruments and optical lenses at top efficiency. These cloths are at present available size 12x12" in tan and white colors in limited quantities. Orders with high preference ratings receive special consideration.

The price of these cloths packed flat, 100 to a box is \$20.00 per box.

The above prices are quoted net, F.O.B. Factory, New York.

May we suggest, that you put these products to any test you deem it advisable.

Thanking you for your inquiry, we are,

Yours very truly,

SUPERFINE LENS CLEANER CO.

W. Fuhrer/ab
Enc.

W. Fuhrer
arB

Minnesota Mining & Manufacturing Company

INTER - OFFICE CORRESPONDENCE

SAINT PAUL, MINNESOTA

TIA5

Subject:

June 7, 1945

PRODUCTION DATA FOR COST ESTIMATE

Product: Plastic Web Lens Tissue sheets 6, 8, and 12 inches square, packaged in 100 sheet boxes and 500 sheet cellophane-wrapped packages.

Potential Sales Volume: (Per Al. Boese)

<u>Size</u>	<u>Potential Annual Sales</u>	
	<u>No. Boxes or Pkgs.</u>	<u>No. Sheets</u>
6" x 6" (100 per box)	500,000	50,000,000
6" x 6" (500 per pkg.)	60,000	30,000,000
8" x 8" (500 per pkg.)	30,000	15,000,000
12"x12" (500 per pkg.)	10,000	5,000,000

Department: Carfab Laboratory (Pending permanent production setup)

Operation: New method being developed by Industrial Engineering Department and Carfab Laboratory to replace present method of winding on 8 inch constant diameter drum and cutting to size on guillotine.

The full-width material will be slit to individual widths and wound on a collapsing reel which maintains a constant outside circumference of 48 inches as the tissue is wound on. The individual widths wound on the reel will be cut into squares as they are removed from the reel and will be packed directly into boxes or wrapped in cellophane as required. The operation also includes packing the individual boxes or packages in shipping cartons.

One operator @ approximately \$.75 per hour and one packer @ \$.55 per hour base rates will be required.

Estimated Operation Times: (For details, see Sheet 3)

Man-hours per 100 packages for cutting and packing:

<u>Size Sheet</u>	<u>100 Sheet Boxes</u>	<u>500 Sheet Pkg.</u>
6" x 6"	2.0	3.4
8" x 8"	2.8	5.0
12"x12"	3.0	10.0

Waste Data: The trim waste on either side of the material will remain approximately the same as with the present method of cutting. Reduction of this trim depends on the possibility of making the material with truer edges to eliminate the need for a $1\frac{1}{2}$ " trim on each side.

The waste under the present method due to the greater circumference of the outer layers wound on a constant diameter drum will be eliminated. This waste amounts to an average of approximately 5%.

Waste due to dirt and damage of the material at the guillotine will be eliminated.

Equipment Required:

Machine hours required for anticipated production:

<u>Size Sheets</u>	<u>Anticipated No. Pkgs. Per Year (Per Al Boese)</u>	<u>Mach. Hrs. Per 100 Pkgs.</u>	<u>Total Mach. Hrs. Per Yr.</u>
6" x 6" (100/box)	500,000	1.0	5,000
6" x 6" (500/pkg.)	60,000	1.7	1,000
8" x 8" (500/pkg.)	30,000	2.5	750
12"x12" (500/pkg.)	10,000	5.0	<u>500</u>
TOTAL			7,250 Mach. Hrs.

Machine hours available on basis of 24 hours per day, six days per week = 7,488

Therefore, one machine on a 3-shift, six day week or two machines on a shorter work schedule could handle the anticipated future volume.

Estimated cost of equipment:

First Unit: Engineering and drafting \$1,300
Materials and construction \$ 700

Additional Units: \$700 each

L. V. Riley

L. V. Riley
Industrial Engineering Department

LVR:cl

Copies to: Mr. A. Martin
Mr. D. Selleck
Mr. A. Boese
Mr. E. Michl
Mr. L. Whitson

CALCULATION OF ESTIMATED PRODUCTION RATES

Page 3

	<u>100-Sheet Boxes</u>			<u>500-Sheet Packages</u>		
	<u>Size 6"x6"</u>	<u>Size 8"x8"</u>	<u>Size 12"x12"</u>	<u>Size 6"x6"</u>	<u>Size 8"x8"</u>	<u>Size 12"x12"</u>
Estimated Minutes per Run Wound on Reel						
Thread Reel	1.00	1.00	1.00	1.00	1.00	1.00
Wind on reel	1.00	1.00	1.00	5.00	5.00	5.00
Place cover on reel	.25	.25	.25	.25	.25	.25
Position reel for cut @ .20 Min./cut	1.60	1.20	.80	1.60	1.20	.80
Make cut @ .20 Min./cut	1.60	1.20	.80	1.60	1.20	.80
Dispose of Packages @ .50 Min./cut	<u>4.00</u>	<u>3.00</u>	<u>2.00</u>	<u>6.00</u>	<u>4.50</u>	<u>3.00</u>
Total Min. per run	9.45	7.65	5.85	15.45	13.15	10.85
No. of Packages per run	32	18	8	32	18	8
Packages per hour based on direct operation time	203	141	82	124	82	44
Over-all packages per hour allowing 50% idle time	100	70	40	60	40	20
Equivalent sheets per hour	10,000	7,000	4,000	30,000	20,000	10,000
Machine hours per 100 packages	1.0	1.4	2.5	1.7	2.5	5.0
Man-hours per 100 packages (operator and packer)	2.0	2.8	3.0	3.4	5.0	10.0

*Prospective Cust.
Miss*

May 21, 1945

MEMORANDUM

I called Mr. Fisher of Fisher Photo Supply to find out the volume of business he has on Lens Tissue.

He said that he didn't think he sold more than 50 a month. Prices being 15¢ to 35¢ per package. He thought the 35¢ price was a little too high and that his most volume was in the cheaper class. He has previously been furnished with samples. His comments were very favorable. He hasn't detected any scratches left by the tissue on lenses and has also used it in repairing. I offered to give him larger sizes, 6" x 6" and 8" x 8" but he thought the 4" x 6" would be better for the retail trade.

Mr. Fisher seemed very willing to cooperate and I will keep in contact with him to help us in preliminary retail work.

Galen Meier

GM/b

cc: Mr. A. W. Boese

cc: Messrs.

R. G. Drew
J. A. Borden
R. F. Sheahan
D. J. Hollihan
O. H. Steinbrecher

June 5, 1945

Plastic Web:
Bendix Aviation Corp.

*Prospective Cust:
Minn.
IIA-5*

Mr. R. H. Diehm
Philadelphia Office

Dear Ralph:

Thanks for your letter of May 25. We are sending you samples of SP-1, 2, and 4 which represent different weights of 3-M Plastic Web. Below I am outlining the main features of our material:

- 1) Lintfree
- 2) Will not scratch or mar a finished surface
- 3) High wet strength
- 4) Can be heat-sealed
- 5) Tear resistant
- 6) Dry cleans and polishes

This material has many other unusual properties, and if after examining our web, Bendix will tell us their problem, we will be glad to make further recommendations and quote prices.

Also, we are sending you several packages to show other accounts.

Thanks for your interest and help Ralph, and I look forward to seeing you on my next visit East.

Yours very truly,

A. W. Boese ✓

AWB/s

Presents: Regenerated Tissue

May 15, 1945

Plastic Web *WAS*

Mr. J. A. Borden:

I am attaching a small booklet of Plastic Web similar in setup to other lens tissue booklets now on the market.

These booklets are a consumer item and are sold in places such as photographic shops, medical supply houses, book and stationery stores, etc. I think it would be a good time to start marketing an item of this type and it would be especially pertinent if we have a paper jobber "tryout". Perkins Tracy Printing Company made up these booklets but if you think we should market them now, it probably would be well to find a different converter.

An alternative to selling these books would be to furnish this suggestion to the paper jobbers and have them find converters who could sell it under their own trademark. However, I think we would prefer to market it ourselves.

As this booklet has twenty-five 4 x 6 sheets, which is slightly under 1/2 yard of material per book, we would do nicely selling it for 20¢ per book retail.

Your comments would be appreciated.

Yours very truly,

A. W. Boese ✓

AWB/s

Encl.

cc: Messrs.

R. G. Drew

R. F. Sheahan

R. P. Carlton

G. H. Halpin

*Prospective Cust,
Miss*

cc: Messrs.

Mr. R. G. Drew
Mr. R. F. Sheahan
Mr. C. E. Klein
Mr. G. R. Meier
Mr. D. J. Hollihan

April 30, 1945

Mr. A. E. Mattson
Assistant Purchasing Agent
Argus Incorporated
Ann Arbor, Michigan

Dear Mr. Mattson:

This will acknowledge your letter of April 27, giving us Mr. Girvan's report on his trial of 3M Plastic Web for lens cleaning and polishing. We do appreciate the trouble you have taken to send us this report.

We have found, as Mr. Girvan states, that our tissue will smear when used with alcohol. However, as Mr. Girvan's tests indicate, our material is an excellent dry cleaner and polisher. Microscopic tests have shown that Plastic Web will readily remove finger prints and other types of surface smudges which get on the lens surface during the manufacturing operation. As our web is being used currently by other optical manufacturers without any complaint of smearing while dry polishing, we feel that this is assurance of its utility for this use.

Incidentally, we wonder what experience you've had with the packing envelopes sent you and would like your comments at your convenience.

Thanking you again for your appreciation of our web, I remain

Yours very truly,

MINNESOTA MINING & MANUFACTURING COMPANY

A. W. Boese

AWB/b



CAMERAS AND OPTICAL INSTRUMENTS

ANN ARBOR, MICHIGAN

April 27, 1945

Mr. Alvin W. Boese
Minnesota Mining and Mfg. Co.
Carfab Laboratory
St. Paul, 1, Minn.

Gentlemen:

If you would recall on your recent visit to our plant, you left with our Mr. Girvan, samples of your lens paper. Mr. Girvan has tried this out and the following is his report after giving it an extensive test.

" Since practically all of our lens cleaning involves water or alcohol, I'm afraid that we cannot use the M.M. Lens Paper. It works alright as a dry polisher but if you get it wet, it smears the lens worse than anything we have ever used.

The fact that any solution (containing water or alcohol) causes it to smear the glass very badly, leads me to believe that even dry polishing might add a film to the glass surface. That could be determined by running some tests. If it does leave a highly polished film(just like a washed surface) then that would be bad, as we have found by previous experiments, that any foreign substance on the surface will eventually discolor so that the film is visible. "

Perhaps this will give you some idea as to improving this paper, also it may prove that it is not possible to use this type of paper in the manner in which we have applied it.

The above is only a suggestion and not a criticism and we would appreciate any comments you may have to make.

Very truly yours,
Argus Incorporated


A. E. Mattson

Assistant Purchasing Agent

AEM/ld

CC: Mr. Chas. E. Klein

*Prospective Cust.
Mine.*

May 14, 1945

Minneapolis Honeywell Regulator Company
2753 - 4th Avenue South
Minneapolis, Minnesota

Attention Mr. James Woodhouse, Engineering Department

Dear Mr. Woodhouse:

This is in follow up of my letter of March 27 quoting prices on Three-M Plastic Web in standard size sheets.

We would appreciate your advising us if the samples submitted by Mr. Boese on his recent visit to your company were utilized successfully within your organization. We feel Three-M Plastic Web, because of its lint-free, non-scratching characteristics, will have a specific use in your organization and we are anxious to submit additional samples for further test.

We will appreciate your comments and those of Mr. Ray P. Mattern of your Engineering Department.

Yours very truly,

MINNESOTA MINING & MANUFACTURING COMPANY

D. J. Hollihan
Chemical and Color Division

djh/asu

cc- Mr. Ray P. Mattern

cc- Mr. A. W. Boese
Mr. R. F. Sheahan

*Prospective cross:
misc.*

cc- Mr. A. W. Boese
Mr. D. J. Hollihan

EF

April 5, 1945

Minneapolis Honeywell Regulator Company
2753 - 4th Avenue South
Minneapolis, Minnesota

Attention: Mr. Ray P. Mattern

Dear Mr. Mattern:

It was a pleasure to have you afford Mr. A. W. Boese and me the time and attention given us on our recent visit with you.

We were interested at that time in introducing to you one of our new products, a lint-free, soft, long fibre, Plastic Web material. It was my thought in contacting you that due to your long experience with the Minneapolis Honeywell Regulator Company you could, better than the individual departments or laboratories, determine wherein such a material might prove to be helpful in the product manufacturing of your company.

We know of the following uses:

1. Lens cleansing and polishing.
2. Varnish rubbing and coating.
3. Mar-proofing when handling polished material or glass surfaces.
4. Masks and protective bands for protection from waste material.
5. Wrapping products subject to distortion and jarring or chipping through lack of care in handling.

Plastic Web can be supplied in rolls of any length and up to 24" in width, also in cut sheets 6" x 6" through 24" x 24". If the product is of sufficient interest to any of the departments to whom you may introduce it, we will be most happy to follow up with the individual departments for further discussion and utility introduction.

Thank you for your many kind courtesies in past years. I look forward to seeing you in the near future.

Yours very truly,

MINNESOTA MINING & MANUFACTURING COMPANY

R. F. Sheahan
Sales Manager
Chemical and Color Division

RFS:ASM

*Prospective Cust.
Mines.*

cc
CC: Mr. A. W. Boese
Mr. J. A. Borden
Mr. A. G. Bush
Mr. R. G. Drew
Mr. R. F. Sheahan

March 27, 1945

Honeywell Heat Regulator Company
Minneapolis, Minnesota

Attention: Mr. James Woodhouse
Engineering Department

Dear Mr. Woodhouse:

May I take this opportunity to thank you for the courtesies extended to our Mr. A. W. Boese on his recent visit to your company. He has asked that I quote you prices on our standard sheets of Plastic Web and this quotation is as follows:

Standard Sheets 6" x 6", 8" x 8", 12" x 12", 16" x 16" and 24" x 24"

- - 4,999 square feet	\$0.025 per square foot
5,000 - 9,999	.0225
10,000 - 24,999	.02
25,000 - 39,999	.0175
40,000 - 49,999	.01625

In the event of larger purchases totalling 150,000 square feet, to be taken over a 90-day period in single lots of 50,000 square feet each or more, we quote \$0.015 per square foot. F. O. B. destination; terms 1-10-prox.

Plastic Web envelopes are still in the experimental stage as Mr. Boese explained to you and should you find use for these, we will be pleased to quote you at a later date. If we can be of further assistance to you or help you with any other questions, please feel free to call on us.

Yours very truly,

MINNESOTA MINING & MANUFACTURING COMPANY

D. J. Hollihan
Chemical and Color Division

DJH:RH

MINNESOTA MINING & MANUFACTURING COMPANY
INTER - OFFICE CORRESPONDENCE
SAINT PAUL, MINNESOTA

Name file
Leno Johnson
suggested
Names for.

Subject:

A. W. Boese

noted Com 3/23

March 22, 1945

~~Mr. Moosbrugger:~~

The attached add shows the use of the word "Down", in connection with a paper product.

A. W. Boese

Products: Face Tissue: Engaged

FIBREDOWN

TRADE MARK REG. U. S. PAT. OFF.

CELLULOSE WADDING

Bleached and Unbleached—Plain, Embossed and/or Paper Backed one or two sides. Rolls, sheets or special shapes.

CANDY PADDING—numerous stock designs or special designs to order—plain, glassine or White M. G. Backing.

SANITARY SHEETING—Absorbent Face, Water-repellant back—For Hospital, Nursery, Infirmary or Home use.

WRITE FOR SAMPLE BOOKLET, Dept. PP-43.

S'WIPE'S* —FACIAL TISSUE— REA RETA*

In bulk or boxed. Variety of sizes suitable for Hospital, Institution, Industrial Infirmary or Home use.

Up to the minute equipment for private label and/or custom converting. Inquiries on special problems invited.

* Trade Marks Reg. U. S. Pat. Off.

Due to conditions beyond our control, we are not always in position to supply all items shown on our price lists or advertised herein.

THE GENERAL CELLULOSE COMPANY, Inc.

Converters and Distributors of Cellulose Wadding and Facial Tissues
GARWOOD NEW JERSEY

HEADQUARTER

MILLERS FALLS ONION SKIN

25% Cotton Fibre Content
White, Sub 7½ & Sub 9
Six Colors, Sub 9 only
Three Finishes
Cockle, Dull
and Glazed
In All
Items

Millers Falls, Mass.

MILLERS F



"Big Enough to Serve
You Quickly — Small
Enough to Serve You
Well"

Kenner Products:

NAMES FOR PLASTIC WEB

*suggested
names for*

Thermofoam

Thermodown

Thermoweb

Thermocum

Thermocloud

381

Qualities

connotation
Scotch

Lint free
soft.
Siluater

Plastimesh

foam

soft
down
mist
soft

delicate texture
web.
membrane
mist
diaphanous

cloud

tissue
foam

Therm O web

Thermofors

matdown

Thermo down

Thermo web

Thermofarm

ThermOweb

elimilint

elimilint

Elimilint

Elimilint

Applastic Tissue
for fine polishing
lint free - scratch proof

Minnesota Mining & Manufacturing Company

INTER-OFFICE CORRESPONDENCE
SAINT PAUL, MINNESOTA

March 14, 1945 Subject:

Leno Thaine!
Suggested
Names for

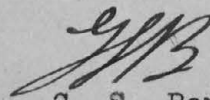
MR. A. W. BOESE

Dear Al:

In proposing a name for the new product commonly called Plastic Web, the thought struck me that its function, being tack free, is somewhat like the tack rag used in the automotive industry. As long as its function is similar, I would like to propose for consideration the name -

3-M PLASTACK.

Yours very truly,



G. S. Bond
Advertising Manager

GSB:ks

c-Mr. A. G. Bush
Mr. G. H. Halpin
Mr. R. P. Carlton
Mr. H. J. Kinney
Mr. C. O. Moosbrugger
Mr. R. G. Drew

Minnesota Mining & Manufacturing Company

INTER - OFFICE CORRESPONDENCE
SAINT PAUL, MINNESOTA

Len Tinsley:
suggested names
Feb.

February 23, 1945 Subject: Name for Plastic Web

Memorandum

We have had various discussions on finding a name for our product and various names have been submitted by interested parties but none was found agreeable generally.

Scotch Plastic Web was the name originally chosen but not approved by the Legal Department. Yesterday Mr. Moosbrugger suggested the name "Heather Down", an animal of which there is none and on which we therefore could obtain a trademark or copyright. The heather would suggest the package and company trademark of "Scotch" and the down would suggest the softness of the product. The weakness of this name is, I think, that it just would not fit an industrial product because of its consumer-like appeal.

Mr. Drew had suggested the name "Spidertex" or something similar built around spider. It was objected to for various reasons such as not denoting sanitariness, etc. This name, however, suggests the texture and nature of the product aptly.

Because of the wide variation of uses our product will be put to it is difficult to define with a name suggesting use or quality of the product. A name which would describe the physical character and a general quality would seem most desirable.

I should like to offer the name "Plastivex" as being descriptive, generally, and having customer appeal. During calls on various people the description of it as a plastic paper was intriguing to them and created a greater interest in the product. Also it is in line with the heralded plastic age to come. Unless a better name is offered which will be agreeable to the majority, I suggest that this name be accepted and that industrial orders leaving the plant carry it.

A. W. Boese

AWB/s

cc: Messrs. R. P. Carlton, A. G. Bush, G. H. Halpin, R. S. Drew, B. S. Cross, R. F. Sheahan, J. A. Borden, G. Moosbrugger, J. Bond, C. C. Smith, H. Walden, E. F. Muhl, V. Potter, J. Bracken, G. Meier, H. Hoover, R. Humphries, A. Wartha, J. Duke, H. Quick, H. Tierney, H. Benn, G. Merrill, R. Coulter, H. Kinney.

Subject:

Eliminants

Plastuff

Plastalgin or Plastalin

Plastidown

Plastiform

Plastilite

Plasti-K

Plasti-Web

Plasti-Tex

Plasti-San

Plasti-Bond

ELM 2/27/45-

Minnesota Mining & Manufacturing Company

INTER-OFFICE CORRESPONDENCE
SAINT PAUL, MINNESOTA

February 23, 1945 Subject: Name for Plastic Web

Memorandum

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I should like to offer the name "Plastiweb" as being descriptive, generally, and having customer appeal. During calls on various people the description of it as a plastic paper was intriguing to them and created a greater interest in the product. Also it is in line with the heralded plastic age to come. Unless a better name is offered which will be agreeable to the majority, I suggest that this name be accepted and that industrial orders leaving the plant carry it.

A. W. Boese

AWB/s

cc: Messrs. R. P. Carlton, A. G. Bush, G. H. Halpin, R. G. Drew, B. S. Cross, R. F. Sheahan, J. A. Borden, C. Moosbrugger, J. Bond, C. C. Smith, H. Walden, E. F. Michl, V. Potter, J. Bracken, G. Meier, H. Hoover, R. Humphries, A. Wartha, J. Duke, H. Quick, H. Tierney, H. Benn, G. Merrill, R. Coulter, H. Kinney.

Minnesota Mining & Manufacturing Company

INTER-OFFICE CORRESPONDENCE
SAINT PAUL, MINNESOTA

February 23, 1945 Subject: Name for Plastic Web

Memorandum

We have had various discussions on finding a name for our product and various names have been submitted by interested parties but none was found agreeable generally.

Scotch Plastic Web was the name originally chosen but not approved by the Legal Department. Yesterday Mr. Moosbrugger suggested the name "Heather Down", an animal of which there is none and on which we therefore could obtain a trademark or copyright. The heather would suggest the package and company trademark of "Scotch" and the down would suggest the softness of the product. The weakness of this name is, I think, that it just would not fit an industrial product because of its consumer-like appeal.

Mr. Drew had suggested the name "Spidertex" or something similar built around spider. It was objected to for various reasons such as not denoting sanitarness, etc. This name, however, suggests the texture and nature of the product aptly.

Because of the wide variation of uses our product will be put to it is difficult to define with a name suggesting use or quality of the product. A name which would describe the physical character and a general quality would seem most desirable.

I should like to offer the name "Plastiweb" as being descriptive, generally, and having customer appeal. During calls on various people the description of it as a plastic paper was intriguing to them and created a greater interest in the product. Also it is in line with the heralded plastic age to come. Unless a better name is offered which will be agreeable to the majority, I suggest that this name be accepted and that industrial orders leaving the plant carry it.

A. W. Boese

AWB/s

cc: Messrs. R. P. Carlton, A. G. Bush, G. H. Halpin, R. G. Drew,
B. S. Cross, R. F. Sheahan, J. A. Borden, C. Moosbrugger,
J. Bond, C. C. Smith, H. Walden, E. F. Michl, V. Potter,
J. Bracken, G. Meier, H. Hoover, R. Humphries, A. Wartha,
J. Duke, H. Quick, H. Tierney, H. Benn, G. Merrill,
R. Coulter, H. Kinney.

Minnesota Mining & Manufacturing Company

INTER-OFFICE CORRESPONDENCE

SAINT PAUL, MINNESOTA

Leno J. Jansen

February 23, 1945 Subject: Name for Plastic Web

Memorandum

*Mr. Boese
I vote for
Plastiweb*

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A. W. Boese

AWB/s

cc: Messrs. R. P. Carlton, A. G. Bush, G. E. Halpin, R. G. Drew, B. S. Cross, R. F. Sheahan, J. A. Borden, C. Moosbrugger, J. Bond, C. C. Smith, E. Walden, E. F. Michl, V. Potter, J. Bracken, G. Meier, H. Hoover, R. Humphries, A. Wartha, J. Duke, E. Quick, E. Tierney, E. Benn, G. Merrill, R. Coulter, E. Kinney.

Cargado

2nd floor

ADVIS: BY THE MINISTERS

INTER-OFFICE CORRESPONDENCE

Ministry of Agriculture & Fisheries

Minnesota Mining & Manufacturing Company

INTER-OFFICE CORRESPONDENCE
SAINT PAUL, MINNESOTA

February 23, 1945 Subject: Name for Plastic Web

Memorandum

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AWB/s

A. W. Boese ✓

cc: Messrs. R. P. Carlton, A. G. Bush, G. H. Halpin, R. G. Drew, B. S. Cross, R. F. Sheahan, J. A. Borden, C. Moosbrugger, J. Bond, C. C. Smith, H. Walden, E. F. Michl, V. Potter, J. Bracken, G. Meier, H. Hoover, R. Humphries, A. Wartha, J. Duke, H. Quick, H. Tierney, H. Benn, G. Merrill, R. Coulter, H. Kinney.

cc: Mr. R. G. Drew
Mr. R. F. Sheahan
Mr. C. Moesbrugger
Mr. H. L. Bonn

November 22, 1944

Lens Tissue:

suggested Name For

Mr. B. S. Cross:

In considering a name for our tissue, we had thought of using the word "web" in conjunction with a more descriptive syllable or word.

It comes to mind that Kendall Mills puts out a cotton web bound with thermoplastic fibers which they call "Webril". There may be some conflict in our using a like name.

Mr. Drew has suggested using a name with the word "spider" in it, as being highly descriptive. This suggested name is "Spidertex"; also other combinations with spider, such as felt, mat, spun, etc., might be used.

As an alternate name I should like to suggest "chemimat."

For first choice, however, I like the name "Spidertex" and feel that a freer and more lyrical flow of adjectives would be forthcoming from the sales and advertising groups in describing our product.

Yours very truly,

A. W. Boese

AWB/s

*Spider does not
suggest sanity*

Lena Tissue:
suggested Names
See.

"Scotch" Plastic Web

November 2, 1944.

Memorandum

This is to inform that Mr. Kinney has advised us to change the above name.

His opinion is that because of the multitude of registered trade names covering paper, sheetings, fabrics, tissues, and the like, employing the name "Scotch" or similar names that he not only feels that he could not successfully defend our present name but that losing such a case will place our present established "Scotch" brand line in jeopardy.

He, in particular, points out that the Scott Paper Company with their line of Scottie Tissues and Scott Tissue will almost be sure to take exception to our choice.

It is important to select a new name quickly so that the program of merchandising this product can be expedited.

Yours very truly,

MINNESOTA MINING & MFG. COMPANY

Bert S. Cross
Manager of New Products Division

BSC:kk

cc-Mr. A. G. Bush
Mr. G. H. Halpin
Mr. Al Boese
Mr. R. Sheahan
Mr. R. G. Drew
Mr. C. O. Moosbrugger

Minnesota Mining & Manufacturing Company

INTER - OFFICE CORRESPONDENCE
SAINT PAUL, MINNESOTA

Subject:

Prod. Name
Lens Tissue
Suggested
Names For

August 25, 1944.

MR. A. G. BUSH:
MR. R. F. SHEEHAN:
MR. G. H. HALPIN:
MR. J. A. BORDEN:
MR. C. C. SMITH:
MR. J. C. DUKE:
MR. B. W. LUECK:
MR. C. O. MOOSBRUGGER:
MR. R. G. DREW:
MR. G. S. BOND:
MR. AL BOESE:✓

We are attempting to select an appropriate name for the new lintless lens tissue developed in the Profab laboratories by Mr. Boese. The present name "Scotch" Plastic Tissue appears to be a little too close to such a name as "Scotts" Tissue to be the final one selected.

The product in question appears at the moment to have a good many potential uses:

1. Lens and glass polishing and wrapping.
2. The product being lintless may serve as a ball-bearing wrap.
3. Possibly it could be used for electrical insulation work.
4. It can be used for window decorating.
5. It is being experimentally used to package electrical parts.
6. It could serve as a furniture polishing fabric.
7. It could be used with gift cards, announcements, and greeting cards.

The product will be expensive and should not be considered to take the place of ordinary paper tissue.

Yours very truly,

Bert S. Cross
Manager of New Products Division

BSC:kk

P. S. The attached list represents some of the names suggested to date. BSC

"Scotch" Plastic Floss

Chemi-Gauze

"Scotch" Plastiweb

Plastosheen

"Scotch" Lace

Chemi-Foam

"Scotch" Fibre Pack

"Scotch" Plastic Mist Film

"Scotch" Nolint Web

"Scotch" Spun Plastic

"Scotch" Plastic Down

"Scotch" Plastic Web

"Scotch" Plastic Ribbon

"Scotch" Plastic Fleece

"Scotch" Plastic Wrap

"Scotch" Plastipak

Minnesota Mining & Manufacturing Company

INTER - OFFICE CORRESPONDENCE
SAINT PAUL, MINNESOTA

Subject: New Name for "Scotch"
Plastic Lens Tissue.

Reference to W. F. Rihm letter of August 20, 1944:

Scotchtex	Scotbh Supertex
Scotch Utilitex ✓	" Supertissue
Utilitissue	" Marveltex
Scotch Plastex ✓	" Transpartex
" Plastissue	" Labtex
" Plasticloth	Tissuetex

Scotchcloth

Scotbh Exceltex

Scotch Sheertex ✓

Scotch Syntex

" Synthetex ✓
" Synthetissue
" Optissue
" Synthecloth

Gossamertex

Gossamertissue

Softex

Nutex

Nutissue

Nu-Snytex

Scotch Lenstex

Scotch Lenstissue

" Nolintissue
" Nolintcloth
" Uniqtex
" Wondertex
" Wonderweb

Suggested Uses: To wrap silver--

give a no tarnish treatment

Dustcloth--If it

would pick up dust. It would

eliminate the lint of ordinary

dust cloths. There is a dustcloth

made of paper on the market.

Wm. E. Ashby

Minnesota Mining & Manufacturing Company

INTER - OFFICE CORRESPONDENCE
SAINT PAUL, MINNESOTA

*Prospective Cust.
mine.*

March 22, 1945

Subject: Plastic Web

MEMORANDUM

At Mr. A. H. Stewart's request, on March 15 I called Dr. Huber of Kindy Optical Company, St. Paul, relative to Plastic Web.

Dr. Huber is interested in our material and stated the supply of paper tissue they formally used for cleaning lenses has been curtailed.

I explained that many improvements had been made in our product as a result of our national distribution of samples to opticians and optometrists, and that he would be forwarded another sample for trial in about three or four weeks. He appreciated our including his name in this test program and promised to report the results in detail.

I thanked Dr. Huber for his interest in our product.

D. J. Hollihan

DJH:ASM

cc- Mr. A. W. Boese
Mr. A. H. Stewart
Mr. R. F. Sheahan

Wm. L. G. & Wm. L. G. & Wm. L. G.

Wm. L. G. & Wm. L. G. & Wm. L. G.

Wm. L. G. & Wm. L. G. & Wm. L. G.

Wm. L. G. & Wm. L. G. & Wm. L. G.

Wm. L. G. & Wm. L. G. & Wm. L. G.

Wm. L. G. & Wm. L. G. & Wm. L. G.

Wm. L. G. & Wm. L. G. & Wm. L. G.

Wm. L. G. & Wm. L. G. & Wm. L. G.

Wm. L. G. & Wm. L. G. & Wm. L. G.

Wm. L. G. & Wm. L. G. & Wm. L. G.

Wm. L. G. & Wm. L. G. & Wm. L. G.

CC*Mr. A. W. Boese
Mr. J. A. Borden
Mr. A. G. Bush
Mr. R. G. Drew
Mr. R. F. Sheahan

*Prospective Customers,
Miscellaneous*

March 19, 1945

American Measuring Instruments Corp.
240 West 40th Street
New York 18, New York

Attention: Mr. M. Belson

Thank you for your inquiry of March 13, requesting the size of our standard sheets of Plastic Web and prices that apply to this material.

Our standard sizes of sheets in the range you require are 6" x 6" and 8" x 8", however, if you require a 6" x 8" sheet, we can furnish this but the price is based on the next largest sheet from which this can be cut, namely, 8" x 8".

Our prices are as follows:

Standard Sheets 6" x 6", 8" x 8", 12" x 12", 16" x 16", and 24" x 24"

- - 4,999 square feet	\$0.025 per square foot
5,000 - 9,999	.0225
10,000 - 24,999	.02
25,000 - 39,999	.0175
40,000 - 49,999	.01625

In the event of larger purchases totalling 150,000 square feet, to be taken over a 90-day period in single lots of 50,000 square feet each or more, we quote \$0.015 per square foot. F.O.B. destination; terms 1-10-prox.

If we can be of further assistance to you, or help you with any other questions, please feel free to call on us.

Yours very truly,

MINNESOTA MINING & MANUFACTURING COMPANY

D. J. Hollihan
Chemical and Color Division

DJH:RH

Products: suggested
use.

Al Buser
Bergak Lab.

cc: Messrs.

R. G. Drew
A. G. Bush
G. H. Halpin
R. F. Sheahan
J. A. Borden
E. F. Michl

March 14, 1945

Plastic Web

Mr. C. C. Smith:

As per your request I am listing below the qualities which make our Plastic Web an outstanding lens tissue.

- 1) Lint Free: This is the pre-eminent quality of our web and one in which it has no competition among the materials used at present.
- 2) Softness: The long, tough plastic fibers give a soft, tough sheet which will not scratch or mar a surface.
- 3) Open structure of the web has the ability to absorb and hold any dust or abrasive particles on the surface and carry them away, thus eliminating the scratches which would result if these particles were pressed against the surface by a more densely woven textile or paper.
- 4) High Wet Strength: The web when wet has about 60% of its dry strength and will not disintegrate into separate fibrils as will paper.
- 5) Cleans and Polishes: The web puts an exceptionally high luster on finished surfaces and gives the cleanest, brightest surface of all the various papers and cloths used at present.
- 6) There is no filling or inorganic material in our web.
- 7) The web is thermoplastic and can be molded with heat and pressure, which may be desirable in packaging operations.

While our material lacks the high absorbency of vegetable fiber papers and cloths, its over-all superiority makes it outstanding.

As a beginning, I am listing some of the fields in which our material will be useful:

- 1) Optical Trade.
- 2) Optical instruments - to clean, polish and wrap.
- 3) Instruments of all types.

Mr. C. C. Smith

-2-

March 14, 1945

- 4) Highly polished machine parts.
- 5) Non-scratching, non-linting interleaving for films.
- 6) Photo filter - diffusing and separating medium between plates.
- 7) General polishing, cleaning and protecting finished surfaces.
- 8) Wood finishing - clean and polish before applying finishing coat, and for pads to apply wipe-on varnish and wax.

Following are general types of uses:

- 1) Polishing.
- 2) Wrapping.
- 3) Light diffusion - photo filters, etc.
- 4) Packaging, interleaving and general non-scratching material.
- 5) Cleaning and polishing any surface before applying a finish.

I hope this gives you the information you need but will be glad to further clarify any points which may not be clear.

Yours very truly,

A. W. Boese
Carded Fibers Division

AWB/s

*Prospective Cust.
mine.*

CC: Mr. A. W. Boese
Mr. J. A. Borden
Mr. A. G. Bush
Mr. R. G. Drew
Mr. R. F. Sheehan

March 14, 1945

G. B. Mc Clintock Company
135 Lyndale Avenue North
Minneapolis, Minnesota

Attention: Mr. J. C. Kelly
Purchasing Agent

Dear Mr. Kelly,

This will confirm our telephone conversation relative to your proposed order for 150,000 square feet of Plastic Web to be taken over a 90 day period in single lots of 50,000 square feet or more.

You expressed an interest in 8" x 8" sheets and our lowest price is .015 per square foot as outlined in my letter of February 5.

Your order for 150,000 square feet converted into 8" x 8" sheets would mean 337,500 sheets or a total of 112,500 sheets every thirty days. Your net charge on such an order is \$2,225.00 or about \$.00665 per sheet. Delivery is made F.O.B. destination, terms 2-10-prox.

Upon receipt of your order we will ship 112,500 sheets March 23, 112,500 sheets April 23, and the balance of this order on May 23. Should you require better shipping service, I am sure we can arrange for a partial shipment by Monday, February 19th.

We sincerely appreciate your interest in Plastic Web and we are gratified to hear that our material has been approved by your company.

Yours very truly,

MINNESOTA MINING & MANUFACTURING COMPANY

D. J. Hollihan
Chemical and Color Division

DJH:KH

*Equipment:
Banding*

TIA.5

March 7, 1945

Mr. J. R. Clark
Tennessee Eastman Clinton Eng. Works
Meteorological Laboratory
P. O. Box #590
Knoxville, Tennessee

Dear Mr. Clark:

It was a pleasure meeting you on my recent trip south.

We are sending you today, under separate cover, four booklets of our lint-less Lens Tissue.

After you have used this material, we would appreciate if you would drop us a line at your convenience, and tell us what uses it has in Meteorological Laboratory.

Best regards,

Yours very truly,

MINNESOTA MINING & MANUFACTURING COMPANY

Alvin W. Boese

AWB/b

MINNESOTA MINING & MANUFACTURING COMPANY

INTER-OFFICE CORRESPONDENCE

BUFFALO, N. Y.

March 5, 1945

*Proprietor's acct:
Mise.*

Subject Wollensak Optical Co.
Rochester, N. Y.

MR. A. W. BOESE

Dear Al:

I checked with Mr. Krieg of above account relative to his tests on Plastic Web and he informed me that he has received no information from the chemist, but would follow it up. Mr. Krieg is thinking only of post war activities as regards Plastic Web in booklet form and it looks as if we have run into a snag again at this account.

GJB:MB

Best regards,

G. J. Brady

G. J. Brady

Prospective Cust:
Wollensok
Optical

January 20, 1945

Wollensok Optical Company
Rochester, New York

Attention: Mr. Gordon Hall

Dear Mr. Hall:

Thank you very much for the time and attention given Mr. A. W. Boese during his visits with you in the interest of Plastic Web. Mr. Boese has requested that I write you and confirm prices on booklets of Plastic Web as follows:

25 sheets 3-1/2" x 6" to a booklet - 12-1/2¢ per booklet
in lots of 10,000 booklets, terms: 2-10-prox.

We very much appreciate the interest and enthusiasm extended our product and hope that you will favor us with your business. Plastic Web has many diversified uses, it is an extraordinary product, and we recommend it fully qualified as a lens and optical cleaning material.

Thank you for courtesies extended representatives of our company. We stand by for further instructions.

Yours very truly,

MINNESOTA MINING & MANUFACTURING COMPANY

R. F. Sheahan
Sales Manager
Chemical and Color Division

RFS:ASM

cc- Mr. A. W. Boese

cc: Mr. R. G. Drew
Mr. B. S. Cross
Mr. A. G. Bush
Mr. R. F. Sheahan
Mr. G. J. Brady (Buffalo)

*Prospective Cross:
Misses*

January 2, 1945

VIA
AIRMAIL

Mr. Gordon Hall
Wollensak Optical Company
Rochester, New York

Dear Gordy:

I am enclosing five Plastic Web booklets. These booklets are 3-1/2" x 5-5/8" in size and contain 25 sheets.

The booklets can be printed with the name of our product and any addition such as the name and address of your firm. Mr. Robert Sheahan, of our sales office, will write you within the next day or so quoting prices.

I expect to be in Rochester sometime towards the end of January and look forward to seeing you then.

Best regards.

Yours very truly,

MINNESOTA MINING & MANUFACTURING COMPANY

A. W. Boese

AWB/s

Interoffice - Mr. Sheahan:

Will you please quote a price of .125¢ per book, in 10,000 book lots, as discussed with you several days ago. We will pack these books in units of 100, 5 units per carton.

AWB

MINNESOTA MINING & MANUFACTURING COMPANY
INTER - OFFICE CORRESPONDENCE
BUFFALO, N. Y.

*Prospective Cust:
Miss.*

Nov. 18, 1944

Subject: Wollensak Optical Co.

MR. A. W. BOESE

Dear Al:

Mr. G. Hall of above account will await your arrival for sample packets of "SCOTCH" Plastic Web as he believes you have a superior product that is well worth waiting for. He also stated he would be very interested in seeing the heat sealing machine.

Best regards,

GJB:MB

G. J. Brady
G. J. Brady

Prospective customers:
mine.
MINNESOTA MINING & MANUFACTURING COMPANY
BUFFALO, N. Y.

INTER - OFFICE CORRESPONDENCE

Nov. 7, 1944

Subject: Wollensak Optical Company

MR. A. W. BOESE

Dear Al:

Mr. G. Hall of above account is awaiting the booklets of "SCOTCH" Plastic Web before making tests with the competitive materials of which you are familiar.

I told Mr. Hall, per our recent conversation, that he might expect these booklets by the end of this week.

Best regards,

GJB: MB

G. J. Brady
G. J. Brady

MINNESOTA MINING & MANUFACTURING COMPANY
INTER - OFFICE CORRESPONDENCE
BUFFALO, N. Y.
Sept. 23, 1944

Subject: Wollensak Optical Co.

*Prospective Customers;
Griss.*

MR. AL BOESE:

Dear Al:

Gordy Hall of Wollensak Optical Company is interested in "SCOTCH" Plastic Web which would have the approximate qualities of Nantauk #6 $\frac{1}{2}$ made by A. R. McAdam Company or #2987 made by Denver Fire Clay Company.

I believe that the newer construction you are making for Bausch and Lomb may be just what Mr. Hall is looking for. In any event, will you bring some samples when you come to Rochester next week that we may submit to Mr. Hall for his approval.

Mr. Hall was not sure that he had the correct numbers of Nantauk and Denver Fire Clay Company, but I will leave that up to you inasmuch as I believe that you have full knowledge of all competitive lens tissues.

Best regards,

G. J. Brady
G. J. Brady

*Prospective Customer
Inve.*

cc- Mr. A. W. Boese
Mr. J. A. Borden
Mr. A. G. Bush
Mr. R. G. Drew
Mr. D. J. Hollihan

February 27, 1945

Navy Department
Navy Ordnance
Room 3130
Washington, D. C.

Attention: Lieut. A. E. Fisher

Dear Lieut. Fisher:

At the request of our Mr. A. W. Boese, we quote the following bulk prices on Plastic Web:

Standard Rolls 6", 8", 12" and 24" wide.

- - 4,999 square feet	\$0.02 per square foot
5,000 - 9,999	.0175
10,000 - 24,999	.015
25,000 - 39,999	.0125
40,000 - 49,999	.01125

In the event of larger purchases totalling 150,000 square feet, to be taken over a 90-day period in single lots of 50,000 square feet each or more, we quote \$0.01 per square foot. F.O.B. destination; terms 1-10-prox.

Standard Sheets 6"x6", 8"x8", 12"x12", 16"x16", 24"x24"

- - 4,999 square feet	\$0.025 per square foot
5,000 - 9,999	.0225
10,000 - 24,999	.02
25,000 - 39,999	.0175
40,000 - 49,999	.01625

In the event of larger purchases totalling 150,000 square feet, to be taken over a 90-day period in single lots of 50,000 square feet each or more, we quote \$0.015 per square foot. F.O.B. destination; terms 1-10-prox.

If we can be of further assistance to you, or help you with any other questions, please feel free to call on us.

Yours very truly,

MINNESOTA MINING & MANUFACTURING COMPANY

R. F. Sheahan
Sales Manager
Chemical and Color Division

RFS:ASM

*Prospective Cust,
Mine.*

February 27, 1945

Mr. K. Castor
Building 111
Instrument Division
Frankfort Arsenal
Philadelphia, Penna.

Dear Mr. Castor:

We are pleased to quote price on our Plastic Web in follow up of our Mr. A. W. Boese's recent interview with you.

Standard Sheets 6"x6", 8"x8", 12"x12", 16"x16", 24"x24"

- - 4,999 square feet	\$0.025 per square foot
5,000 - 9,999	.0225
10,000 - 24,999	.02
25,000 - 39,999	.0175
40,000 - 49,999	.01625

Terms - 2-10-prox.

We would like to point out that if possible you should use our standard size sheets as listed above which will effect a saving. We will pack the sheets in lots of 100 or in greater quantities if you so desire.

If we can be of further assistance to you, or help you with any other questions, please feel free to call on us.

Yours very truly,

MINNESOTA MINING & MANUFACTURING COMPANY

R. F. Sheahan
Sales Manager
Chemical & Color Division

RFS:ASM

cc- Mr. A. W. Boese
Mr. A. G. Bush
Mr. R. G. Drew
~~Mr. R. G. Drew~~
Mr. D. J. Hollihan
Mr. J. A. Borden

*Prospective Customers
mine.*

cc- Mr. A. W. Boese
Mr. J. A. Borden
Mr. A. G. Bush
Mr. R. G. Drew
Mr. D. J. Hollihan

February 27, 1945

Naval Observatory
Navy Department
Washington, D. C.

Attention: Commander F. C. Camp

Dear Commander Camp:

At the request of our Mr. A. W. Boese, we quote the following bulk prices on Plastic Web:

Standard Rolls 6", 8", 12" and 24" wide

- - 4,999 square feet	\$0.02 per square foot
5,000 - 9,999	.0175
10,000 - 24,999	.015
25,000 - 39,999	.0125
40,000 - 49,999	.01125

In the event of larger purchases totalling 150,000 square feet, to be taken over a 90-day period in single lots of 50,000 square feet each or more, we quote \$0.01 per square foot. F.O.B. destination. Terms 1-10-prox.

Standard Sheets 6"x6", 8"x8", 12"x12", 16"x16", 24"x24"

- - 4,999 square feet	\$0.025 per square foot
5,000 - 9,999	.0225
10,000 - 24,999	.02
25,000 - 39,999	.0175
40,000 - 49,999	.01625

In the event of larger purchases totalling 150,000 square feet, to be taken over a 90-day period in single lots of 50,000 square feet each or more, we quote \$0.015 per square foot. F.O.B. destination. Terms 1-10-prox.

If we can be of further assistance to you, or help you with any other questions, please feel free to call on us.

Yours very truly,

MINNESOTA MINING & MANUFACTURING COMPANY

R. F. Sheahan
Sales Manager
Chemical and Color Division

RFS:ASM
Air Mail

Prescription card: *price*
MR. A. W. BOESE *McClintock*
James
Quinn

February 5, 1945

O. B. McClintock Company
135 Lyndale Avenue North
Minneapolis, Minnesota

Attention: Mr. J. C. Kelly, Purchasing Agent

Dear Mr. Kelly:

We would like to confirm our telephone conversations on January 29 and January 31 relative to our price on Plastic Web sheets and Plastic Web rolls.

You will recall we quoted \$0.02 per square foot on 50,000 sheets (22,222 square feet) 8" x 8", and \$0.015 per square foot on the equivalent amount of material in 8" rolls. The 8" x 8" sheets are more expensive because of the required cutting, packaging and the waste yardage involved in their processing.

Our complete price structure on Plastic Web is as follows:

Standard Rolls 6", 8", 12" and 24" wide.

- - 4,999 square feet	\$0.02	per square foot
5,000 - 9,999 " "	.0175	" " "
10,000 - 24,999 " "	.015	" " "
25,000 - 39,999 " "	.0125	" " "
40,000 - 49,999 " "	.01125	" " "

In the event of larger purchases totalling 150,000 square feet, to be taken over a 90-day period in single lots of 50,000 square feet each or more, we quote \$0.01 per square foot.

F.O.B. destination; terms 2-10-prox.

Standard Sheets 6"x6", 8"x8", 12"x12", 24"x24"

- - 4,999 square feet	\$0.025	per square foot
5,000 - 9,999 " "	.0225	" " "
10,000 - 24,999 " "	.02	" " "
25,000 - 39,999 " "	.0175	" " "
40,000 - 49,999 " "	.01625	" " "

In the event of larger purchases totalling 150,000 square feet, to be taken over a 90-day period in single lots of 50,000 square feet each or more, we quote \$0.015 per square foot.

F.O.B. destination; terms 2-10-prox.

O. B. McClintock Company
Attn: Mr. J. C. Kelly

Page No. 2
February 5, 1945

Our quoted price of \$0.02 per square foot on 8" x 8" sheets, and \$0.015 per square foot on 8" wide rolls was based on your purchase order No. 19809 of January 24. Should you reduce this order to 10,000 sheets 8" x 8" as indicated in our telephone conversation, your price would then be calculated on the basis of 4,444 square feet rather than 22,222 square feet, as \$0.025 per square foot.

We will invoice the 10,000 sheets of Plastic Web 8" x 8" that have been delivered to you at \$0.025 per square foot. However, we will leave your order No. 19809 open should you find it to your advantage to increase this order. If such is the case, you will be billed according to the schedules quoted in this letter and a credit memorandum will be issued against the 10,000 sheets delivered.

Plastic Web is a new product developed by our company for industrial uses demanding a lint-free, grease and dust absorbing cleaning and polishing medium. We know you will appreciate the quality of Plastic Web as we sincerely appreciate your interest in this product.

If we can be of any further service, please do not hesitate to let us know.

Yours very truly,

MINNESOTA MINING AND MANUFACTURING COMPANY

D. J. Hollihan
Chemical and Color Division

DJH:ASM

cc- Mr. A. W. Boese

NM58-3/F34/JJ
FAN:kwj
Ser 1217

End-1 on NAS, Minneapolis ltr NAS, Mpls. NA20/F34 (TD-R/vrm) ser 113 of
19 Jan 1945.

To: CO, NAS, Minneapolis, Minn.

Subj: Sample Plastic Web Sheets; forwarding of.

1. Returned.
2. It is suggested that subject material be forwarded to BuAer for comment and approval.
3. No mention should be made to the fact that this material has been in use in the instrument shop of the NTSch (Line Maintenance - PB4Y).
4. Upon BuAer approval this material will be brought to the attention of all interested activities within this command.

G. M. GLENN
Training Officer
By direction of
CNATec

from Brenihardt
Exh 301-302

Mail to
Al Davis
Car fab Lab
Sanitary Bldg

23 JAN 1945

Shenhan
CC Smith
Pls. note
return
w/brace
(B)

HAS, Mpls.
WA20/F34
(TD-R/vrm)

Serial **113**

19 JAN 1945

To: CHATEchIra.

Subj: Sample Plastic Web Sheets, Forwarding of.

Ref: (a) Minnesota Mining & Mfg. Co. ltr., dated 3 Jan.
1945.

1. Enclosed herewith are 400 - 6" x 6" web sheets of the new type plastic developed by the Minnesota Mining and Manufacturing Co. These are being forwarded for test and possible use in the instrument shop at the Naval Air Technical Training Center, 87th and Anthony, Chicago, Illinois.
2. This product has been used in the HTSch (Line Maintenance - PB4Y) at this station on SBAS equipment and on instruments used in the course of instruction in the AMM phase. The results here have been satisfactory, indicating the product compares favorably with others of similar nature.
3. According to ref. (a), the reports of any future results in the use of this paper will be appreciated by the Minnesota Mining & Manufacturing Company, St. Paul, Minnesota.

K. M. KRIEGER,
Commanding Officer.

Encl.

1. HW 400 sheets of 6" x 6" plastic web.
2. HW copy of ref. (a).

MINNESOTA MINING AND MANUFACTURING COMPANY
SAINT PAUL 6, MINNESOTA
January 3, 1945

COPY

Rippert
Commander Rippert
Naval Air Station
Wold Chamberlain Field
Minneapolis 6, Minnesota

Dear Sir:

I should like to take this opportunity to thank you on behalf of Mr. Hoover and myself for your interest in arranging a test of Plastic Web at your station, and also your offer to submit it for more complete tests at your New Orleans Station.

I am forwarding, through Mr. Bud Rinschert, four hundred 6" x 6" sheets of web. We will be very interested in hearing the outcome of the tests.

Our web is a synthetic product, the constituents of the fibers being viscose and cellulose acetate. These fibers are solid cylinders $1\frac{1}{2}$ " long, and will not fibrillate and cause lint as will the natural paper or textile fibers.

We have tested the abrasion-proofness of Plastic Web on Lucite panels and have found its resistance to scratching far superior to papers and cloth. It will readily remove thin films of oil, water, or the common liquid lens cleaners.

The web is a plastic and cannot be used with organic solvent-type cleaning agents.

We recommend that when using the material, it be crumbled into a ball and the wiping action be light and rapid.

We shall be glad to supply further information if desired.

Yours very truly,

MINNESOTA MINING & MANUFACTURING COMPANY

/s/
A. W. Boese

AWB/s

COPY

Prospective Cust.
Misc.

January 20, 1945

Mr. Paul Winters
Eclipse Company
Elmira, New York

Dear Mr. Winters:

Mr. A. W. Boese of our Carfab. Laboratory has requested that we quote you prices in response to his visit with you pertaining to the use of a lint-free material in handling various type of instruments and equipment of close tolerance.

We are pleased to quote you the following prices on Plastic Web:

-	-	4,999 square feet	\$0.02 per square foot
5,000	-	9,999 " "	.0175 " "
10,000	-	24,999 " "	.015 " "
25,000	-	39,999 " "	.0125 " "
40,000	-	49,999 " "	.01125 " "

Terms: 2-10-prox.

In the event of larger purchases totalling 150,000 square feet to be taken over a 90-day period in single lots of 50,000 square feet each or more, we quote 0.01 per square foot.

We highly recommend Plastic Web to you. It is lint-free; it has extraordinary dust absorbing properties; and we highly recommend its use in your particular work.

Thank you for the courtesies extended Mr. Boese. We will appreciate your business and hope you see a useful application of Plastic Web.

Yours very truly,

MINNESOTA MINING & MANUFACTURING COMPANY

R. F. Sheahan
Sales Manager
Chemical & Color Division

RFS:ASM

cc- Mr. A. W. Boese

cc- Mr. A. W. Boese
Mr. G. J. Brady

Air Mail

February 6, 1945

Defender Photo Supply Company
Rochester, New York

Attention: Mr. Ray Towle

Dear Mr. Towle:

Our representative, Mr. G. J. Brady, has advised us of your interest in Plastic Web sheets 8-1/2" x 11" and 15" x 15". This material can be cut into any size to fit your requirements. However, our price is based on standard sheets, which in this case would be 12" x 12" (144 square inches) rather than 8-1/2" x 11", and 16" x 16" (256 square inches) rather than 15" x 15".

Our price structure on Plastic Web in standard sheets is as follows:

6" x 6", 8" x 8", 12" x 12", 16" x 16", 24" x 24"

-	-	4,999 square feet	\$ 0.025	per square foot
5,000	-	9,999 " "	.0225	" " "
10,000	-	24,999 " "	.02	" " "
25,000	-	39,999 " "	.0175	" " "
40,000	-	49,999 " "	.01625	" " "

In the event of larger purchases totalling 150,000 square feet, to be taken over a 90-day period in single lots of 50,000 square feet each or more, we quote \$0.015 per square foot.

F.O.B. destination; terms 2-10-prox.

Using the above schedule 2000 sheets 8-1/2" x 11" and 2000 sheets 15" x 15" total 5,555 square feet. This quantity would cost \$0.0225 per square foot or \$124.99. Shipment can be made four days after receipt of order.

Plastic Web is a new product developed by our company for industrial uses demanding a lint-free grease and dust absorbing cleaning and polishing medium. We know you will appreciate the quality of Plastic Web as we sincerely appreciate your interest in this product. If we can be of any further service to you, please do not hesitate to let us know.

Yours very truly,
MINNESOTA MINING AND MANUFACTURING COMPANY

D. J. Hollihan
Chemical and Color Division

DJH:ASM

MINNESOTA MINING & MANUFACTURING COMPANY
INTER - OFFICE CORRESPONDENCE
SAINT PAUL, MINNESOTA

Subject: 12/19/45 *Boose. Case.*
Defender Photo
Supply

Mr. G. J. Brady
141 Scio St.
Rochester 5, N. Y.

Table sets for Defender Film.

A. W. Boose

*Respectfully,
D.J. Hollihan*

February 20, 1945

Defender Photo Supply Company
Rochester, New York

Attention: Mr. J. M. Flynn

Gentlemen:

We wish to acknowledge and thank you
for your order #58117 of February 13, specifying 2000 sheets of
Plastic Web 8-1/2" x 11".

The material on this order has been
shipped February 17, via express and should be in your hands by this
date.

Yours very truly,

MINNESOTA MINING & MANUFACTURING COMPANY

D. J. Hollihan
Chemical and Color Division

DJH:RH

Al. Bosese
~~cc-Al Bosese~~ - St. Paul
Carfab Lab.

*Proportionate Chas.
misc.*

January 20, 1945

Taylor Instrument Company
95 Ames Street
Rochester, New York

Attention: Mr. C. D. Hart
Purchasing Agent

Dear Mr. Hart:

We thank you for the time and attention extended our Mr. A. W. Boese, Director of our Carfab. Laboratory. We are all very much interested in Plastic Web and, therefore, we welcome with pleasure anyone who shows us any encouragement.

Mr. Boese has asked me to quote prices to you as follows:

Plastic Web	1 box	100 sheets 12" x 12"	\$ 2.00 per box
Plastic Web	5 or more boxes	" "	2.00 per box, less 10%

Terms: 2-10-Prox.

We will appreciate your order and look forward to serving your account to the best of our ability through technical service as well as quality merchandise.

Yours very truly,

MINNESOTA MINING & MANUFACTURING COMPANY

R. F. Sheehan
Sales Manager
Chemical and Color Division

RFS:ASM

cc- Mr. A. W. Boese

Prospective Customers:
Miscellaneous

MINNESOTA MINING & MANUFACTURING COMPANY

GENERAL OFFICES
AND
LABORATORIES
SAINT PAUL, MINNESOTA

FACTORIES
SAINT PAUL, MINNESOTA
DETROIT, MICHIGAN
WAUSAU, WISCONSIN
AKRON, OHIO

Abrasive Paper and Cloth
Originators of Patented
Wetordry Waterproof Sandpaper



Scotch Cellulose Tape
Masking Tape and other Patented pressure sensitive
Fibre adhesive tapes for industrial uses

OFFICES AND WAREHOUSES
CHICAGO
DETROIT
BOSTON
NEW YORK
PHILADELPHIA
ST. LOUIS
SAN FRANCISCO
LOS ANGELES
SEATTLE
HIGH POINT
CINCINNATI
BUFFALO

15 LOMBARD ST.

PHILADELPHIA, PA.

January 16, 1945

To A. W. Boese
Carfab Laboratory

Subject: Plastic Web

Dear Al:

Per your letter of 1-5-45 re above, contacted and submitted samples to the following:

U.S. Naval Air Station
Naval Operating Base, Norfolk, Va.

Made personal contact with Lt. Nelson, in charge of Photographic Department of above. He was very pleased with the looks and feel of Plastic Web and will give it a good trial. Their first quarter purchases consisted of 12 pkgs. of 100 sheets size 7"x11" at approximately 20¢ per package. This is a "stock item" - with which naval supply and Norfolk merely requisitions through Philadelphia. To establish ourselves as a "stock item" it will be necessary to start work through Lt. Comdr. Charles Resler, U.S.N.R., Room 1813, Bureau of Aeronautics, Navy Department, Washington, D.C.

National Advisory Committee on Aeronautics
Langley Field, Virginia

Submitted samples to Mr. Butler, Purchasing Agent. He will circulate through to the proper sections and believes we can expect business. They are using only Kleenex - and do like it. Their volume is small. In two years they have purchased 197 packages of 150 double sheets each at 7¢ per package. And they still have considerable stock.

Norfolk Navy Yard
Portsmouth, Va.

Contacted Mr. Edwards in Optical Shop. Lt. V. T. Wixom in charge, but not in that day. Mr. Edwards thinks Plastic Web looks good and will test samples submitted. Admits having trouble with lens tissue issued to them (samples attached), and with Kleenex picked up in emergency. It will be necessary, however, to establish ourselves with the Bureau of Ships and the Bureau of Supplies and Accounts, Navy Dept., Washington, in order to be listed as a "stock item".

They requisitioned 250,000 sheets 2'x3' from Philadelphia about a year ago. They tear these into 4"x6" on the average - but sizes vary according to usage. Have considerable stock left.

Aberdeen Proving Grounds
Aberdeen, Md.

Contacted Mr. G. T. Miller in Purchasing Division of above. Submitted new sample booklets which he will pass on to likely parties. He had done nothing with previously submitted samples because we were not yet in position to supply. He also points out that Lens Tissue is a "stock item" which we will have to establish with the Procurement Division of the Treasury Dept. Washington, D.D.

Generally speaking, Al, I doubt if a trip to the above accounts would be worth while at present. But I do believe some time could be spent in Washington to establish Plastic Web as a stock item at the necessary Bureaus.

Will be looking forward to seeing you.

Best regards,

Ken Smith

P.S. When Ed Michle was last in Washington, we checked on most recent Naval purchase of lens tissue. It ran into quite a substantial volume. Believe you have the figures.

Give my regards to Ed,

K.S.

MINNESOTA MINING & MANUFACTURING COMPANY

GENERAL OFFICES
AND
LABORATORIES
SAINT PAUL, MINNESOTA

FACTORIES
SAINT PAUL, MINNESOTA
DETROIT, MICHIGAN
WAUSAU, WISCONSIN
AKRON, OHIO

Abrasive Paper and Cloth
Originators of Patented
Wetordry Waterproof Sandpaper



Scotch Cellulose Tape
Masking Tape and other Patented pressure sensitive
fibre adhesive tapes for industrial uses

OFFICES AND WAREHOUSES

CHICAGO
DETROIT
BOSTON
NEW YORK
PHILADELPHIA
ST. LOUIS
SAN FRANCISCO
LOS ANGELES
SEATTLE
HIGH POINT
CINCINNATI
BUFFALO

15 LOMBARD ST.

PHILADELPHIA, PA.



GRAPHIC ARTS DIVISION

Photographic Department

U.S. Naval Air Station
Norfolk, Virginia

_____, 194__

Memorandum From:

To:

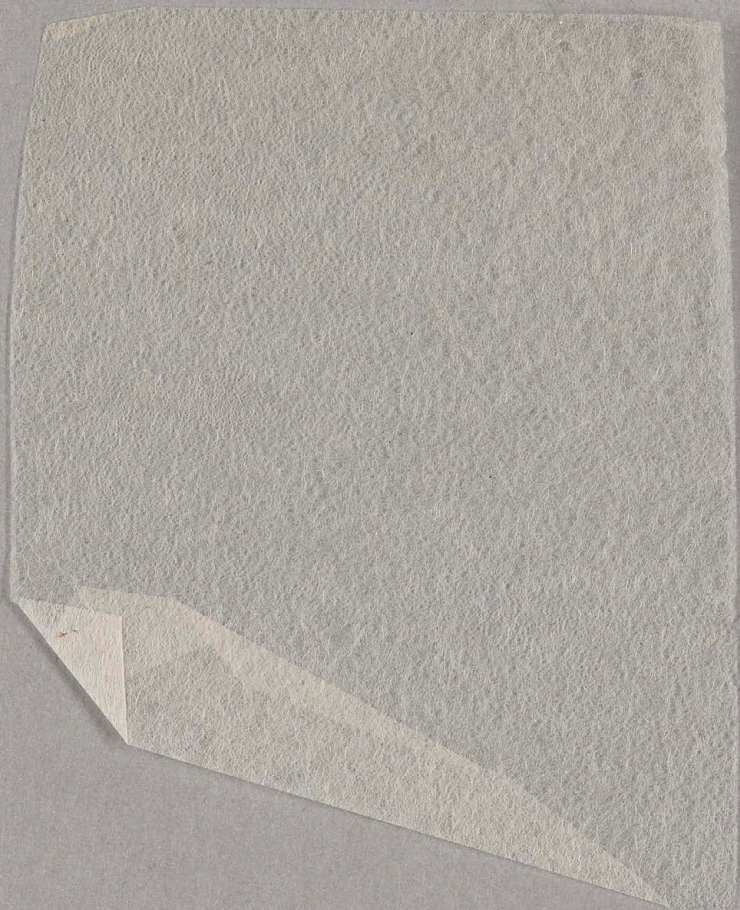
Lt. Comdr. Charles Pesler USNR

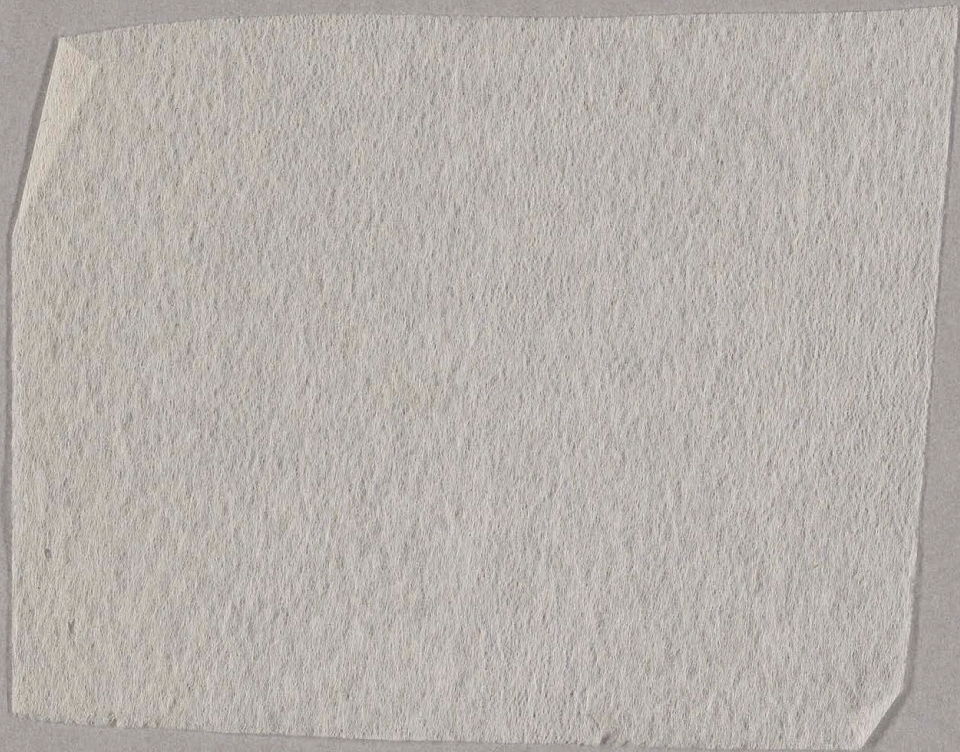
Room 1813

Bureau of Aeronautics

Navy Department

Washington, D.C.





Ewald
Me 4501

Minnesota Mining & Manufacturing Company

INTER - OFFICE CORRESPONDENCE

SAINT PAUL, MINNESOTA

January 9, 1945

Subject: Plastic Web

Non priority

Mr. A. W. Boese

In reply to your note of January 8, 1945 regarding subject material:

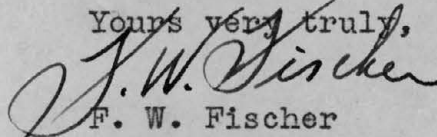
I have checked with the War Production Board as to whether or not we may dispose of the lint-free Plastic Web for purposes other than for which the original raw materials were obtained.

They have given me the reply that inasmuch as the 11,000 yards of material you have on hand is accumulated waste which cannot be used for the purpose for which originally intended, that there was no reason why same could not be sold for other than the original purpose.

However, they have strongly pointed out that because we could sell 11,000 yards for other end uses, we did not have a license to in the future sell the same customers for the non-critical end uses for which the 11,000 yards will be used; and they, further, stated that we could not get around the regulations by accumulating more than a reasonable amount of waste.

Please be guided accordingly.

Yours very truly,



F. W. Fischer
Priorities Manager

FWF/e

Copies to: Mr. R. G. Drew
Mr. G. H. Halpin
Mr. R. F. Sheahan
Mr. H. Walden
Mr. G. Meier
Mr. H. P. Buetow
Mr. J. G. Kruse

January 8, 1945

Plastic Web

Mr. Fred Fischer:

In the course of our experimental work on the development of a lintfree Plastic Web, about 11,000 yards of material were accumulated. This material is satisfactory only for non-critical uses, such as window displays.

The fibers used in this material are as follows:

- 310# plasticized cellulose acetate, 1-1/4" staple, 3-denier (our order #E4353)
- 90# viscose rayon obtained without priority from American Viscose (our order #E-148)

Please advise us if this material can be sold without priority for non-critical uses.

Yours very truly,

A. W. Boese

AWB/s

cc:Mr. R. G. Drew
Mr. G. H. Halpin
Mr. R. F. Sheahan
Mr. H. Walden
Mr. G. Meier

cc: Mr. R. G. Drew
Mr. B. S. Cross

*Lens Tissue:
cost etc.*

TLA5

January 5, 1945

Plastic Web

Mr. Robert Sheahan

Will you please confirm the oral quotations listed below which were made on my last trip East. The prices quoted were as discussed with you before I left, namely:

1,000 to 10,000 square feet @ 2¢ / square foot	
10,000 to 25,000 " " " 1-3/4¢ " "	
25,000 to 50,000 " " " 1-1/2¢ " "	
100,000 (one lot) " " " 1-1/4¢ " "	
500,000 square feet taken in lots of 100,000, @ 1¢ / square foot	

Firms:

Eastman Kodak Company (Mr. M. Lee)
Rochester, New York

Taylor Instrument Company (Mr. Hart - purchasing)
Rochester, New York

Samples have been left at the above calls and are being tested.

Yours very truly,

A. W. Boese ✓

AWB/s

cc: Mr. R. G. Drew
Mr. B. S. Cross
Mr. R. F. Sheahan

- Prospective Customer
Inve.

January 5, 1945

Plastic Web

Mr. Ken Smith
Thomas Nelson Hotel
Norfolk, Virginia

VIA
AIRMAIL

Dear Ken:

With regard to our telephone conversation of yesterday, I am enclosing fifteen plastic web booklets to be shown when you make the following calls:

National Advisory Committee On Aeronautics
Norfolk Navy Yards
Aberdeen Proving Grounds

This material is a lintless, scratchless, lens cleaning and polishing web. It has particular application for cleaning assembled optical equipment such as sighting units, telescopes, etc.

When using, we recommend that the sheet be crumbled into a ball and unless the lens or surface to be polished is extremely dirty, that it be used as a dry polish. If the lens is dirty, the web can be used with water or any of the common lens cleaners. Since this material is a plastic it cannot be used with organic solvents.

When using on a surface that has been exposed and which might have some grit particles, a light rubbing with Plastic Web will readily remove these particles without scratching, due to the very open structure of the material.

If the web is to be used for cleaning unmounted lenses, mirrors, etc., it should be doubled or tripled so as to eliminate the penetration of moisture or grease from the fingers.

If any interest is developed at the above contacts we would appreciate knowing the volume used and the form in which it is desired, whether sheets, rolls or booklets. The price will depend on the amount and form of package required.

Our present width is limited to 24".

I appreciate your assistance in this matter Ken, and will be looking forward to the results of your calls.

Best regards.

Yours very truly,

A. W. Boese

AWB/s
Encl.

cc: Mr. R. G. Drew
Mr. B. S. Cross
Mr. E. F. Michl
Mr. W. Rihm
Mr. R. F. Sheahan
Mr. A. S. Drew, Boston

A. W. Balce
Presy. Customers:
American Optical

August 30, 1944

Mr. Rubenstein
American Optical Company
Southbridge, Massachusetts

Dear Mr. Rubenstein:

I should like to take this opportunity to thank you for the courtesies extended Mr. A. S. Drew and myself during our recent visit.

With regard to our "Scotch" Plastic Web for cleaning, polishing, and wrapping optical lenses, I am pointing out some features of this product which perhaps were not made clear during my visit. Our web is made up of 100% homogenous, synthetic fibers, all over 1" long. This eliminates the fibrillation and flaking which occur when natural fibers are used and which is the cause of lint. The continued use of papers or cloth, as you probably know, builds up a linty condition in the area it is being used and this lint from previous work continues to be a hazard during operation. The use of a lint-free material eliminates this condition entirely.

Being made of clean, soft fibers, our web is non-abrasive. It has been successfully used with the softest optical glass, and can be used with materials as soft as Lucite, where other papers and cloth scratch.

The open texture of the web cleans a surface rapidly and thoroughly. Any lint or abrasive particles which may be present on the lens surface are immediately picked up and held in the interstices of the fibers, eliminating the chance of rubbing against the lens and scratching. This is a great advantage over cloth or paper because the particles are picked up and remain on the surface of such material and when pressure is applied in cleaning, there is great danger of scratching the lens.

August 30, 1944

When wet, our web retains 70% of its strength and can be used to advantage with any of the commercial detergents as well as water. A dry polish with "Scotch" Plastic Web at the end of the grinding and cleaning operations gives a high luster to the glass and puts the finishing touch on the highly polished surface.

We are confident that our web will prove successful in your cleaning, polishing and wrapping operations and will be pleased to receive a trial order.

Yours very truly,

MINNESOTA MINING & MANUFACTURING COMPANY

A. W. Boese

AWB/s