



# MSS178 – Mylar A

## Product

Polyester Film – Mylar A

## Description

Transparent/translucent general purpose film.

## Service

General purpose material with an excellent resistance to moisture and most chemicals used for a broad range of industrial applications.

MYLAR® polyester film is a flexible, strong and durable film with an unusual balance of properties making it suitable for many industrial applications. Type MYLAR® A is a tough general purpose film which is transparent in 12µm through 23µm and translucent in heavier thickness.

Type MYLAR® A is primarily used for release applications, office supplies, electrical insulation and industrial laminations with other flexible materials. Type MYLAR® A is also available in 50µm through 500µm thickness range.

## Physical Properties

Mylar A film has balanced tensile properties. It can withstand temperatures extremes from -70°C – 150°C. The film does not become brittle with age, under normal conditions, because it contains no plasticizers.

## Typical Values for Major Properties

\*MD = Machine Direction, TD = Transverse Direction

Nominal Thickness Microns / (Gauge)	Tensile Strength MD / TD* Kg/mm <sup>2</sup> (kpsi)	Elongation MD / TD* # %	Dimensional Stability MD / TD* % Shrinkage	Haze (opacity) %	Dielectric Strength (minimum) (kV)
12 (48)	18/22 (26/32)	110/70	2.0/1.0	4	2.5
19 (75)	20/24 (28/34)	110/90	2.0/1.1	15	2.7
23 (92)	20/24 (28/34)	110/90	1.9/1.1	16	3
36 (142)	20/24 (28/34)	125/100	1.5/1.0	18	4
50 (200)	20/23 (28/33)	135/110	1.3/0.8	24	7.7
75 (300)	19/22 (27/31)	135/110	1.2/0.8	29	10
100 (400)	18/21 (26/30)	140/115	1.1/0.7	37	11.75
125 (500)	19/21 (27/30)	140/115	1.1/0.7	43	13.5
188 (750)	19/21 (27/30)	140/115	1.6/0.9	(38)	17.5
250 (1,000)	19/20 (27/29)	150/140	1.5/1.1	(42)	19
350 (1,400)	18/17 (26/25)	170/170	1.3/0.8	(46)	20

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