



# WINDSOR - STEVENS, INC.

An Employee Owned Company

## VHR-115

### General Description

VHR-115 is a dense, rigid material produced in multi-ply construction from unbleached kraft pulp and acrylic polymer. It has excellent dielectric and mechanical strengths, low water absorption and is free of conducting particles, chemical impurities and foreign matter. Its chemical cleanliness accounts for its excellent aging characteristics in air up to 115°C.

VHR-115 can be used in numerous coil, transformer, motor, electrical hardware and electronic applications where excellent dielectric and physical strengths are required.

VHR-115 is approved by Underwriters Laboratories reference E-31556(M) electrical use at 115°C and mechanical at 110°C.

VHR-115 is available in sheets, strips, mill rolls and slit rolls in thicknesses from .010" to .062".

### PHYSICAL, ELECTRICAL AND CHEMICAL PROPERTIES:

Fiber Content	100% Unbleached Kraft Wood Pulp
Ash Content (Max.)	.75%
pH Water Extract	6.5 - 7.5
Moisture Content	7.0% Avg.
Water Absorption % change in wgt. 24 hrs max	2 hours 50% 24 hours 60%

Standard Thickness, ± 7%	Inches	.010	.015	.020	.025	.031	.062
Apparent Density, (Air Dry), ± 7%	g/cc	1.05	1.05	1.05	1.05	1.05	1.05
Weight, (Air Dry), ± 7%	lbs./sq. ft.	.054	.082	.109	.136	.169	.338
Dielectric Strength, (Avg.) grams AC, 25°C	Volts/mil	250	250	250	250	250	250
Tensile Strength, (Avg.)	MD lbs./In.	200	305	425	540	660	
	CMD lbs./In.	35	60	75	95	110	
Burst Strength, (Avg.)	lbs./sq. in.	150	250	375	460	550	900
Tear Strength, (Avg.) grams	MD	255	450	615	830	950	
	CMD	425	740	900	1000	1000+	

"Values shown are typical, are not guaranteed, nor to be used for specifications without approval."

NOTICE: The above information and data are believed to be accurate and reliable. Windsor-Stevens assumes no responsibility for end-use applications and no performance warranty is expressed or implied.

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