

VRP HD

VINYL / SCRIM / METALLIZED POLYESTER

FACING COMPOSITION	DESCRIPTION	VALUES (ENGLISH)	VALUES (METRIC)
White Film	Flexible Vinyl	0.0025 inch	63.5 micron
Adhesive	Flame Resistant		
Reinforcing	Bi-directional Fiberglass	4 / inch (MD) 4 / inch (XD)	16 / 100 mm (MD) 16 / 100 mm (XD)
Film	Metallized Polyester	0.0005 inch	12.7 micron

PHYSICAL PROPERTIES	TEST METHOD	VALUES (ENGLISH)	VALUES (METRIC)
Basis Weight	Scale	35 lbs / 1000 ft ²	171 g / m ²
Permeance (WVTR)	ASTM E96 Procedure A	0.02 perm (grains/hr·ft ² ·in Hg)	1.15 ng / N's
Bursting Strength	ASTM D774	85 psi	6.0 kg / cm ²
Puncture Resistance	ASTM C1136	150 beach units	4.5 Joules
Tensile Strength	ASTM C1136	40 lbs/inch width (MD) 30 lbs/inch width (XD)	7.0 kN / m (MD) 5.3 kN / m (XD)
Caliper / Thickness	Micrometer	0.010 inch	254 micron
Accelerated Aging	30 Days @ 95% RH, 120°F (49°C)	No Corrosion No Delamination	No Corrosion No Delamination
Low Temperature Resistance	ASTM D1790 10°F (-12°C)	Remains Flexible No Delamination	Remains Flexible No Delamination
High Temperature Resistance	4 hours @ 150°F (66°C)	Remains Flexible No Delamination	Remains Flexible No Delamination
Water Immersion	24 hours @ 73°F (23°C)	No Delamination	No Delamination
Mold Resistance	ASTM C665 / C1338	No Growth	No Growth
Dimensional Stability	ASTM D1204	0.25%	0.25%
Light Reflectance	ASTM C523	85.5%	85.5%

FIRE TESTING	UL-723 / ASTM E84	
	Flame Spread	Smoke Developed
Vinyl Exposed	15	50
Polyester Exposed	15	40

Physical Properties based upon statistical averages, Weight / Thickness +/- 10%

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