



THERM-ALL

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WMP-VR POLYPROPYLENE / SCRIM / KRAFT

Meets ASTM C1136, Type IV

FACING COMPOSITION	DESCRIPTION	VALUES (ENGLISH)	VALUES (METRIC)
White Film	Polypropylene	0.0015 inch	38.1 micron
Adhesive	Flame Resistant		
Reinforcing	Tri-directional Fiberglass/Polyester	5 / inch (MD) 4 / inch (XD)	20 / 100 mm (MD) 16 / 100 mm (XD)
Kraft	Natural	11 lbs / 3000 ft ²	18 g / m ²

PHYSICAL PROPERTIES	TEST METHOD	VALUES (ENGLISH)	VALUES (METRIC)
Basis Weight	Scale	17 lbs / 1000 ft ²	83 g / m ²
Permeance (WVTR)	ASTM E96 Procedure A	0.09 perm (grains/hrft ² in Hg)	5.17 ng / N's
Bursting Strength	ASTM D774	60 psi	4.2 kg / cm ²
Puncture Resistance	ASTM C1136	125 beach units	3.7 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	0.008 inch	203 micron
Accelerated Aging	30 Days @ 95% RH, 120°F (49°C)	No Corrosion No Delamination	No Corrosion No Delamination
Low Temperature Resistance	ASTM D1790 -40°F (-40°C)	Remains Flexible No Delamination	Remains Flexible No Delamination
High Temperature Resistance	4 hours @ 240°F (116°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%	85%

FIRE TESTING	UL-723 / ASTM E84		CAN ULC-S102M		BRITISH STANDARD 476 Parts 6 and 7 Summary Report Class 0 Surface
	Flame Spread	Smoke Developed	Flame Spread	Smoke Developed	
Film Exposed	10	10	15	30	
Kraft Exposed	15	5	15	45	

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