



THERM-ALL

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WMP-50

POLYPROPYLENE / SCRIM / CORE / METALLIZED POLYESTER

Meets ASTM C1136, Type I, II, III, IV

FACING COMPOSITION	DESCRIPTION	VALUES (ENGLISH)	VALUES (METRIC)
White Film	Polypropylene	0.0015 inch	38.1 micron
Adhesive	Flame Resistant		
Reinforcing	Tri-directional	5 / inch (MD)	20 / 100 mm (MD)
	Fiberglass/Polyester	5 / inch (XD)	20 / 100 mm (XD)
Core	Proprietary	30 lbs / 3000 ft ²	49 g / m ²
Adhesive	Polymeric		
Film	Metallized Polyester	0.0005 inch	12.7 micron

PHYSICAL PROPERTIES	TEST METHOD	VALUES (ENGLISH)	VALUES (METRIC)
Basis Weight	Scale	32 lbs / 1000 ft ²	156 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	120 psi	8.4 kg / cm ²
Puncture Resistance	ASTM C1136	125 beach units	3.7 Joules
Tensile Strength	ASTM C1136	65 lbs/inch width (MD)	11.4 kN / m (MD)
		60 lbs/inch width (XD)	10.5 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 -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	
Polypropylene Exposed	5	30	5	30	
Polyester Exposed	5	20	5	20	

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