


WMP-50 BLACK

BLACK COATING / POLYPROPYLENE / SCRIM / CORE / METALLIZED POLYESTER

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

FACING COMPOSITION	DESCRIPTION	VALUES (ENGLISH)	VALUES (METRIC)
Black Coating	Flame Resistant	0.0002"	5.1 micron
White Film	Polypropylene	0.0015 inch	38.1 micron
Adhesive	Flame Resistant		
Reinforcing	Tri-directional Fiberglass/Polyester	5 / inch (MD) 5 / inch (XD)	20 / 100 mm (MD) 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	34 lbs / 1000 ft ²	166 g / m ²
Permeance (WVTR)	ASTM E96 Procedure A	0.02 perm (grains/hrft 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) 60 lbs/inch width (XD)	11.4 kN / m (MD) 10.5 kN / m (XD)
Caliper / Thickness	Micrometer	0.011 inch	279 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%

FIRE TESTING	ASTM E84 / UL 723		CAN ULC-S102M		
	Polypropylene Side	Polyester Side	Polypropylene Side	Polyester Side	
Flame Spread	5	5	5	5	
Smoke Developed	30	20	30	20	

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

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5010 River Road Mount Bethel, Pennsylvania 18343-5610 U.S.A.
Phone: (570) 897-8200 Fax: (570) 897-6081 Web: www.lamtec.com