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LAMTEC®
CORPORATION

WMP-50

POLYPROPYLENE / SCRIM / CORE / METALLIZED POLYESTER

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

FACING COMPOSITION	DESCRIPTION	VALUES (I-P)	VALUES (SI) METRIC
White Film	Polypropylene	12.6 lbs / 3000 ft^2	21 g / m^2
Adhesive	Flame Resistant		
Reinforcing	Tri-directional Fiberglass / Polyester	MD: 5 / inch XD: 5 / inch	MD: 20 / 100 mm XD: 20 / 100 mm
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 (I-P)	VALUES (SI) 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)	≤1.14 ng / m^2· s· Pa
Bursting Strength	ASTM D774	120 psi	8.4 kg / cm^2
Tensile Strength	ASTM D828	MD: 65 lbs / inch XD: 60 lbs / inch	MD: 11.4 kN / m XD: 10.5 kN / m
Temp. & Humidity Resistance	ASTM C1258	No Corrosion No Delamination	No Corrosion No Delamination
Low Temperature Resistance	ASTM C1263 4 hours at -20°F (-29°C)	Remains Flexible No Delamination	Remains Flexible No Delamination
High Temperature Resistance	ASTM C1263 Modified 4 hours at 240°F (116°C)	Remains Flexible No Delamination	Remains Flexible No Delamination
Mold Resistance	ASTM C1338	No Growth	No Growth
Dimensional Stability	ASTM D1204	≤0.5%	≤0.5%
Light Reflectance	ASTM E1331	85%	85%

FIRE TESTING

	ASTM E84 / UL 723	
	Polypropylene Side	Polyester Side
Flame Spread	5	5
Smoke Developed	30	20

FM APPROVED

CLASSIFIED UL

Physical property values are typical and not intended to serve as specifications.
Weight and thickness values +/- 10%. Information subject to change without notice.

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