

WMP-50 BLACK

BLACK COATED POLYPROPYLENE / SCRIM / CORE / METALLIZED POLYESTER

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

FACING COMPOSITION	DESCRIPTION	VALUES (I-P)	VALUES (SI) ^{METRIC}
Black Coated Film	Metallized Polypropylene	17.6 lbs / 3000 ft ²	29 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	33 lbs / 1000 ft ²	161 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%

FIRE TESTING			
	ASTM E84 / UL 723		
	Film Side	Kraft Side	
Flame Spread	5	5	
Smoke Developed	30	20	

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