

LAMTEC[®]

Corporation

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Metal Buildings
Duct Wrap
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Building

Duct Wrap

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WMP-VR-R PLUS

POLYPROPYLENE / SCRIM / METALLIZED POLYESTER

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FACING COMPOSITION	DESCRIPTION	VALUES (ENGLISH)	VALUES (METRIC)
White Film	Polypropylene	0.0015 inch	38.1 Micro
Adhesive	Flame Resistant		
Reinforcing	Tri-directional Fiberglass	4 / inch (MD) 4 / inch (XD)	16 / 100 m 16 / 100 m
Film	Metallized Polyester	0.0005 inch	12.7 micro

PHYSICAL PROPERTIES	TEST METHOD	VALUES (ENGLISH)	VALUES (METRIC)
Basis Weight	Scale	14 lbs / 1000 ft ²	68 gm / m ²
Permeance (WVTR)	ASTM E96 Procedure A	0.02 perm (grains/hr-ft ² -in Hg)	1.15 ng / m ² -s
Bursting Strength	ASTM D774	100 psi	7.0 kg / cm ²
Tensile Strength	ASTM C1136	35 lbs/inch width (MD) 35 lbs/inch width (XD)	6.1 kn / m 6.1 kn / m
Caliper / Thickness	Micrometer	0.007 inch	178 micrometers
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		ST
	Flame Spread	Smoke Developed	Flame Spread	Smoke Developed	F Su
Polypropylene Exposed	10	35			
Polyester Exposed	10	40			

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

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