LAMTEC®

CORPORATION

Aluma-Foil Super Plus

FOIL / POLYESTER / SCRIM / FOIL PERFORATED

FACING COMPOSITION	DESCRIPTION	VALUES (ENGLISH)	VALUES (METRIC)
Foil	Aluminum	0.0003 inch	7.6 micron
Adhesive	Flame Resistant		
Reinforcing	Bi-directional Fiberglass	4 / inch (MD) 4 / inch (XD)	16 / 100 mm (MD) 16 / 100 mm (XD)
Film	Polyester	0.0005 inch	12.7 micron
Foil	Aluminum	0.0003 inch	7.6 micron

PHYSICAL PROPERTIES	TEST METHOD	VALUES (ENGLISH)	VALUES (METRIC)
Basis Weight	Scale	19 lbs / 1000 ft²	93 gm / m²
Permeance (WVTR)	ASTM E96 Procedure A	> 30 perm (grains/hr·ft²·in Hg)	> 1724 ng / N·s
Bursting Strength	ASTM D774	45 psi	3.2 kg / cm²
Puncture Resistance	ASTM C1136	160 beach units	4.8 Joules
Tensile Strength	ASTM C1136	55 lbs/inch width (MD) 55 lbs/inch width (XD)	9.6 kn / m (MD) 9.6 kn / m (XD)
Caliper / Thickness	Micrometer	0.007 inch	178 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	No Growth	No Growth
Dimensional Stability	ASTM D1204	0.25%	0.25%
Emissivity	ASTM E408	0.03	0.03

FIRE TESTING

	E-84	
	Flame Spread	Smoke Developed
Foil Exposed	5	5

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

"LAMTEC" AND "WMP" ARE REGISTERED TRADEMARKS OF LAMTEC CORPORATION

Advanced Foil Systems 820 South Rockefeller Avenue Suite A Ontario, California 91761
(909) 390-5125 Fax: (909) 390-5127

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