

Aluma-Foil HD R-3035 PERFORATED

FOIL / SCRIM / KRAFT

FACING COMPOSITION	DESCRIPTION	VALUES (ENGLISH)	VALUES (METRIC)
Foil	Aluminum	0.0003 inch	7.6 micron
Barrier Coating	Elastomeric Polymer	0.0001 inch	2.5 micron
Reinforcing	Tri-directional	2 / inch (MD)	8 / 100 mm (MD)
	Fiberglass	3 / inch (XD)	12 / 100 mm (XD)
Adhesive	Flame Resistant		
Kraft	Natural	30 lbs / 3000 ft ²	49 gm / m ²

PHYSICAL PROPERTIES	TEST METHOD	VALUES (ENGLISH)	VALUES (METRIC)
Basis Weight	Scale	21 lbs / 1000 ft ²	103 gm / m ²
Permeance (WVTR)	ASTM E96 Procedure A	> 30 perm (grains/hrft ² in Hg)	> 1724 ng / N's
Bursting Strength	ASTM D774	35 psi	2.5 kg / cm ²
Puncture Resistance	ASTM C1136	20 beach units	0.6 Joules
Tensile Strength	ASTM C1136	35 lbs/inch width (MD)	6.1 kn / m (MD)
		20 lbs/inch width (XD)	3.5 kn / m (XD)
Caliper / Thickness	Micrometer	0.008 inch	203 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
Perforations	Ruler	0.25 inch O.C. (MD)	6.35 mm O.C. (MD)
		0.25 inch O.C. (XD)	6.35 mm O.C. (XD)

FIRE TESTING			
	UL 723 / ASTM E84		
	Flame Spread	Smoke Developed	
Foil Exposed	5	0	
Kraft Exposed	25	10	

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