



# R-3035 HD

## FOIL / SCRIM / KRAFT

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

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 Fiberglass/Polyester	5 / inch (MD) 5 / inch (XD)	20 / 100 mm (MD) 20 / 100 mm (XD)
Adhesive	Flame Resistant		
Kraft	Natural	30 lbs / 3000 ft <sup>2</sup>	49 g / m <sup>2</sup>

PHYSICAL PROPERTIES	TEST METHOD	VALUES (ENGLISH)	VALUES (METRIC)
Basis Weight	Scale	24 lbs / 1000 ft <sup>2</sup>	117 g / m <sup>2</sup>
Permeance (WVTR)	ASTM E96 Procedure A	0.02 perm (grains/hr·ft <sup>2</sup> ·in Hg)	1.15 ng / N's
Bursting Strength	ASTM D774	60 psi	4.2 kg / cm <sup>2</sup>
Puncture Resistance	ASTM C1136	85 beach units	2.5 Joules
Tensile Strength	ASTM C1136	55 lbs/inch width (MD) 35 lbs/inch width (XD)	9.6 kN / m (MD) 6.1 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 / C1338	No Growth	No Growth
Dimensional Stability	ASTM D1204	0.25%	0.25%
Emissivity	ASTM E408	0.03	0.03

FIRE TESTING	ASTM E84 / UL 723		CAN ULC-S102M		 
	Foil Side	Kraft Side	Foil Side	Kraft Side	
Flame Spread	5	25	5	25	
Smoke Developed	0	10	5	25	

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

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