

**RADIANT ICE**  
**FOIL / POLYESTER / SCRIM / FOIL**  
Meets ASTM C1136, Type I, II, III, IV

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

PHYSICAL PROPERTIES	TEST METHOD	VALUES (ENGLISH)	VALUES (METRIC)
Basis Weight	Scale	18 lbs / 1000 ft <sup>2</sup>	88 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	85 psi	6.0 kg / cm <sup>2</sup>
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	0.009 inch	229 micron
Accelerated Aging	30 Days @ 95% RH, 120F (49C)	No Corrosion No Delamination	No Corrosion No Delamination
Low Temperature Resistance	ASTM D1790 -40F (-40C)	Remains Flexible No Delamination	Remains Flexible No Delamination
High Temperature Resistance	4 hours @ 240F (116C)	Remains Flexible No Delamination	Remains Flexible No Delamination
Water Immersion	24 hours @ 73F (23C)	No Delamination	No Delamination
Mold Resistance	ASTM C665	No Growth	No Growth
Dimensional Stability	ASTM D1204	0.5%	0.5%
Emissivity	ASTM E408	0.03	0.03

FIRE TESTING		ASTM E84
Flame Spread		15
Smoke Developed		10

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

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