



ARENASHIELD
FOIL / FIBERGLASS – POLYESTER BLEND FABRIC

Facing Composition	Description	Values (English)	Values (Metric)	
Foil	Aluminum	0.0003 inch	7.6 micron	
Adhesive	Flame Resistant			
Fabric	Fiberglass/Polyester Blend	75 lbs / 3000 ft ²	122 gm / m ²	
PHYSICAL PROPERTIES	TEST METHOD	VALUES (ENGLISH)	VALUES (METRIC)	
Basis Weight	Scale	40 lbs / 1000 Ft ²	195 gm / m ²	
Permeance (WVTR)	ASTM E96 Procedure A	0.02 perm (grains/hr ft ² in Hg)	1.15 ng / N s	
Bursting Strength	ASTM D774	250 psi	17.6 kg / cm ²	
Puncture Resistance	ASTM C1136	550 beach units	16.4 Joules	
Tensile Strength	ASTM C1136	195 lbs/inch width (MD) 150 lbs/inch width (XD)	34.1 kn / m (MD) 26.3 kn / m (XD)	
Caliper / Thickness	Micrometer	0.006 inch	152 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	UL-723	CAN ULC-S102M		
	Flame Spread	Smoke Developed	Flame Spread	Smoke Developed
Foil Exposed	5	5	5	5
Fabric Exposed	5	5	5	5

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

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