

FACING COMPOSITION	DESCRIPTION	VALUES(ENGLISH)	VALUES(METRIC)
Foil	Aluminum	0.00026 inch	6.5µm
Scrim	Bi-directional Fiberglass	0.2x0.2 inch	5mm*5mm
Adhesive	PE	18 lbs /3000 ft <sup>2</sup>	30 g/ m <sup>2</sup>
PHYSICAL PROPERTIES	TEST METHOD	VALUES(ENGLISH)	VALUES(METRIC)
Basis Weight	Scale	18 lbs /1000 ft <sup>2</sup>	87 g/ m <sup>2</sup>
Permeance (WVTR)	ASTM E96/Procedure A	0.02 perm	1.15ng/N.s
Tensile Strength	ASTM C1136	19 lbs/inch (MD) 34 lbs/inch (XD)	3.4kN/m (MD) 6.0kN/m (XD)
Thickness	Micrometer Caliper	0.0075 inch	190 micron
Fire Rating	ASTM E84	Class B	Class B
Accelerated Aging	ASTM C1258 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
Dimensional Stability	ASTM D1204	0.25%	0.25%
Emissivity	ASTM E408	0.03	0.03

**TECHNICAL SERVICES**

Technical information and detailed test results can be obtained by emailing the manufacturer at [info@arksynthetics.com](mailto:info@arksynthetics.com) Tel: 778 325 1557

