

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	Flame Retardant	-	-
Film	Metallized Polyester	0.00047 inch	12µm
PHYSICAL PROPERTIES	TEST METHOD	VALUES(ENGLISH)	VALUES(METRIC)
Basis Weight	Scale	11 lbs /1000 ft ²	55g/ m ²
Permeance (WVTR)	ASTM E96/Procedure A	0.02 perm	1.15ng/N.s
Tensile Strength	ASTM C1136	37 lbs/inch (MD) 34 lbs/inch (XD)	6.4kN/m (MD) 6.0kN/m (XD)
Thickness	Micrometer Caliper	0.0047 inch	120micron
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 Tel: 778 325 1557

