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5255

FOIL / SCRIM / CO-POLYMER FILM

Tentative Specification

FACING COMPOSITION	DESCRIPTION	VALUES (ENGLISH)	VALUES (METRIC)
Foil	Aluminum	0.002 inch	50.8 microns
Reinforcement	Bi-directional Fiberglass	5 / inch (MD) 5 / inch (XD)	20 / 100 mm (MD) 20 / 100 mm (XD)
Adhesive Film	Polymeric Heat Seal Co-Polymer	0.00125 inch	31.8 microns

PHYSICAL PROPERTIES	TEST METHOD	VALUES (ENGLISH)	VALUES (METRIC)
Basis Weight	Scale	37.5 lbs / 1000 ft ²	183 g / m ²
Caliper / Thickness	Micrometer	0.0105 inch	267 microns
Mullen Burst	ASTM D774	110 psi	758 kPa
Tensile Strength	ASTM C1136	45 lbs / inch width (MD) 45 lbs / inch width (XD)	7.9 kN / m (MD) 7.9 kN / m (XD)
Low Temperature Resistance	ASTM C1263 -40°F (-40°C)	Remains Flexible No Delamination	Remains Flexible No Delamination
High Temperature Resistance	10 minutes @ 401°F (205°C)	Remains Flexible No Delamination	Remains Flexible No Delamination
Water Immersion	48 hours @ 73°F (23°C)	No Delamination	No Delamination
Emissivity (Foil Side)	ASTM E408	0.03	0.03

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

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