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TECHNICAL DATA SHEET

5255 Aluminum Foil with Fiberglass Scrim & Heat-Activated Co-Polymer Backing

COMPOSITION

		THICKNESS	
Foil	1100 Grade Aluminum	0.002 in (2 mil)	50.8 micron
Reinforcement	Bi-directional 150/0 Fiberglass	5/in (MD) 5/in (XD)	20/100 mm (MD) 20/100 mm (XD)
Adhesive Film	Co-Polymer Heat Seal	0.00125 in (1.25 mil)	31.8 micron

PHYSICAL PROPERTIES*

	TEST METHOD	VALUE	
Basis Weight	Scale	37.5 lbs/1,000 ft ²	183 g/m ²
Caliper/Thickness	Micrometer	0.0105 in (10.5 mil)	267 micron
Mullen Burst	ASTM D774	110 psi	758 kPa
Tensile Strength	ASTM C1136	45 lbs/inch width (MD) 45 lbs/inch width (MD)	7.9 kN/m (MD) 7.9 kN/m (XD)
Low Temperature Resistance	ASTM D1263 (-40°F/40°C)	Remains flexible No delamination	
High Temperature Resistance	10 minutes @ 401°F/205°C	Remains flexible No delamination	
Water Immersion	48 hours @ 73°F (23°C)	No delamination	
Emissivity (Foil Side)	ASTM E408	0.03	

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

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