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TECHNICAL DATA SHEET

5243 Aluminum Foil with Fiberglass Scrim & Heat-Activated Co-Polymer Backing

COMPOSITION

		THICKNESS	
Foil	1100 Grade Aluminum	0.001 in (1 mil)	25.4 micron
Reinforcement	Bi-directional 150/0 Fiberglass	5/in (MD) 5/in (XD)	20/100 mm (MD) 20/100 mm (XD)
Adhesive Film	High-Temperature Co-Polymer Heat Seal	0.00125 in (1.25 mil)	31.8 micron

PHYSICAL PROPERTIES*

	TEST METHOD	VALUE	
Basis Weight	Scale	23.1 lbs/1,000 ft^2	113 g/m^2
Caliper/Thickness	Micrometer	0.0078 in (7.8 mil)	198 micron
Mullen Burst	ASTM D774	90 psi	620 kPa
Tensile Strength	ASTM C1136	40 lbs/inch width (MD) 40 lbs/inch width (MD)	7 kN/m (MD) 7 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	≤0.05	

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