



Material Specification Sheet

Material Number: 23500

Description: Aluminum Foil Fiberglass Cloth

Applications: 23500 is a tough, flexible, foil-faced fiberglass cloth. It is used for welding protection, insulation, gaskets, expansion joints, heat shields and containment, oven door seals, emergency fire blanket, tadpole tape, machinery, personnel protection, safety clothing, and more.

Product Construction: Aluminum Foil, 100% Fiberglass Yarn Cloth, Plain Weave

Typical Physical Properties:

Property	Test Method	Value
Composite Weight	N/A	21.5 oz. / yd. ² ± 15%
Base Cloth Weight	N/A	18 oz. / yd. ² ± 10%
Composite Thickness (nominal)	ASTM D 1777	0.031"
Foil Thickness (nominal)	N/A	0.001"
Cloth Temperature Resistance	N/A	1000°F (538°C)
Adhesive Temperature Resistance	N/A	300°F (148°C)
Foil Temperature Resistance	N/A	1200°F (649°C)
Thread Count (nominal)	N/A	19
Warp Fill	N/A	14
Thermal Conductivity (Estimated)	N/A 72°F 450°F 650°F 900°F	0.413 Btu-in/hr.-°F-ft. ² 0.714 Btu-in/hr.-°F-ft. ² 0.879 Btu-in/hr.-°F-ft. ² 1.110 Btu-in/hr.-°F-ft. ²

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