



Material Specification Sheet

Material Number: 23531

Description: 23 oz. / yd.² Pre-Ox / Rayon Needle Punch Insulation

Applications: 23531 is soft, flexible, high-temperature, and flame-resistant pre-ox/rayon composite felt. This material can be used as a high-temperature insulator in engine compartment applications in construction/off-road equipment, ATVs, and snowmobiles. It insulates and dissipates heat, and can be combined with other materials (foils, pressure sensitive adhesives, foams, etc.) to address specific needs for different applications. The material is non-irritating, making it easier to work with and install.

Product Construction:

90% Pre-ox fiber / 10% FR Rayon Blended and Needle-punched Nonwoven

Typical Physical Properties:

Property	Test Method	Value
Composite Weight	ASTM D2475	24.0 ± 1.7 oz. / yd. ²
Composite Thickness	ASTM D1777	0.300 ± 0.025"
Temperature Resistance-continuous	N/A	500°F (260°C)
Temperature Resistance-intermittent	N/A	1800°F (982°C)
Thermal Conductivity	N/A	0.25 BTU-in/hr-°F-ft ²

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