

THN-1010

Select-a-Shield™ Thermal

Description

THN-1010 is a thermal shielding product composed of a 1.0 mm thick inorganic fiber insulating core material with a 25 micron embossed aluminum foil facing. This product is intended to be used as a thermal reflecting and insulating shield by mechanically fastening it to the surface of acoustic parts, vehicle body panels, enclosure panels and any surface that needs to be protected from heat sources such as engine exhaust components. It can be placed within 15 mm of a 560°C heat source, and is available in rolls, sheets, and finished cut parts.

Typical Properties

Property	Value	Method
Caliper, mm(inch)	0.9 (.036)	ASTM F 104
Compressibility, % (at 6.9MPa)	24	ASTM F 36
Tensile Strength, AMD, MPa(psi)	5.3 (770)	ASTM F 152
Fluid Resistance, Distilled Water		ASTM F 146
Change in Weight, %	43	
Weight Loss on Ignition, % (at 815°C)	24	ASTM F 495
Flame Resistance	SE/0	SAE J 369
Thermal Conductivity at 100°C, W/m.K	0.16	ASTM F 433

Remarks and Related Documents

Typical values determined by the test methods required for ASTM F-104, Type 3 materials.

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