

THH-1010

Select-a-Shield™ Thermal

Description

THH-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 comes with a high temperature PSA backing and release liner. It is intended to be used as a thermal reflecting and insulating shield on the surface of acoustic parts, vehicle body panels, enclosure panels and various metal, painted, and some plastic surfaces that need to be protected from heat sources. 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)	1.15 (.045)	ASTM F 104
Compressibility, % (at 6.9MPa)	18	ASTM F 36
Tensile Strength, AMD, MPa(psi)	4.8 (700)	ASTM F 152
Fluid Resistance, Distilled Water		ASTM F 146
Change in Weight, %	35	
Weight Loss on Ignition, % (at 815°C)	33	ASTM F 495
Flame Resistance	SE/0	SAE J 369
Thermal Conductivity at 100°C, W/m.K	0.19	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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For more information, please visit www.InterfaceMaterials.com or contact

WORLD HEADQUARTERS
Interface Performance Materials, Inc.
216 Wohlsen Way
Lancaster, PA 17603
USA
+1.717.207.6000

TECHNICAL CENTER
Interface Performance Materials, Inc.
215 Wohlsen Way
Lancaster, PA 17603
USA
AE@InterfaceMaterials.com
+1.717.207.6000

NORTH AMERICA
Interface Performance Materials, Inc.
22260 Haggerty Road, Suite 200
Northville, MI 48167
USA
+1.248.596.2800

ASIA PACIFIC
Interface Sealing Solutions Shanghai Co., LTD
Unit 14F, No. 728
Yan An Road West, Changning District
Shanghai 200050
China
+8621.5238.5650

INDIA
Interface Performance Materials India LLP
Mandkola Road, Vill. Atta, Sohna,
Distt: Mewat, Nuh-122103 (Haryana)
+91.0124.8930992166

EUROPE & SOUTH AMERICA
Interface Sealing Solutions Europe
Lili Pean, Le Bourg
Bonloc 64240
France
+33.5.5929.1220

GERMANY
Interface Performance Materials
Altenkirchen GmbH
P.O. Box 12 63
Koblenzer Strasse
Altenkirchen D-57610
Germany
+49.2681.80020