

TFP-3065

Select-a-Shield™ Thermal

Description

TFP-3065 is a thermal shielding product composed of a 0.65 mm thick inorganic fiber insulating core material with a 76 micron embossed aluminum foil facing. This product comes with a low surface energy PSA backing for plastic surface applications. It is intended to be used as a thermal reflecting and insulating shield on fuel tanks, plastic body panels, and other plastic surfaces that need 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 | 1.0 ± 0.1 | ASTM F 104 |
| Compressibility, % (at 6.9MPa) | 17 | ASTM F 36 |
| Tensile Strength, AMD, MPa(psi) | 6.2 (900) | ASTM F 152 |
| Fluid Resistance, Distilled Water | | ASTM F 146 |
| Change in Weight, % | 25 | |
| Weight Loss on Ignition, % (at 815°C) | 38 | ASTM F 495 |
| Flame Resistance | DNI | SAE J 369 |
| Thermal Conductivity at 100°C, W/m.K | 0.18 | 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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