

TUFshield™ TS-5475

Product Description

TUFshield TS-5475 thermal barrier is a light-weight, highly formable, resilient heat shield solution. The unique construction makes it easy to form with low cost tooling, while maintaining its thermal protection properties.

- Thermal protection for interiors and machinery
- Ease of attachment via pins, projection studs and mechanical fasteners
- Resilient to interior and exterior conditions



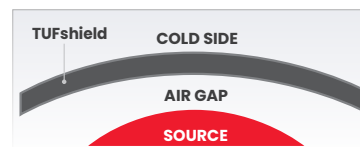
TYPICAL PROPERTIES	TS-5475
Description	Aluminum/Foam/ Adhesive
Surface Density (g/m²) ASTM D3776	1000
Thickness (mm)	4.0
Flammability FMVSS 302	Pass
Thermal Conductivity (W/m - K) 20°C	0.032
Reagent Resistance* Results based on 4 hour immersion	
Motor Oil	Pass
Antifreeze	Pass
Brake Fluid	Pass
Power Steering Fluid	Pass
Transmission Fluid	Pass
Washer Fluid	Pass

The above technical information and data should be considered representative or typical only and should not be used for specification purposes.

*Pass indicates no visual signs of degradation

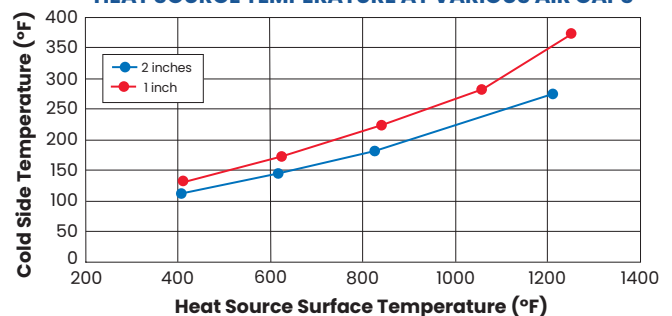
High Temperature Test Rig

- Cylindrical heat source variable from 80°F (26.7°C) to 1300°F (704°C)
- Distance from heat source to sample material variable from 0.5" to 5.0"
- System measured at steady state
- Average temperature of heat source, hot side and cold side are recorded



TUFshield TS-5475 thermal barrier is effective at reducing thermal loads in areas with high heat sources where little space is available.

TS-5475 COLD SIDE TEMPERATURE AS A FUNCTION OF HEAT SOURCE TEMPERATURE AT VARIOUS AIR GAPS





Technical Information

The data listed in this data sheet are typical or average values based on tests conducted by independent laboratories or by the manufacturer. They are indicative only of the results obtained in such tests and should not be considered as guaranteed maximums or minimums. Materials must be tested under actual service to determine their suitability for a particular purpose.

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