Product Description
TUFshield TS-2470 thermal shield is a lightweight, highly conformable, resilient thermal solution. The flexible construction enables coverage for unique shapes and surfaces, while maintaining its thermal protection properties. Multiple adhesives packages are available to fit your application requirements.

- Thermal protection for interiors and machinery
- Ease of attachment via pressure sensitive adhesive
- Resilient to interior and exterior automotive conditions
- 3.2 mil acrylic adhesive for use on irregular surfaces

<table>
<thead>
<tr>
<th>TYPICAL PROPERTIES</th>
<th>TS-2470</th>
</tr>
</thead>
<tbody>
<tr>
<td>Description</td>
<td>Aluminum / Foam / Adhesive</td>
</tr>
<tr>
<td>Surface Density, g/m²</td>
<td>700</td>
</tr>
<tr>
<td>Thickness, mm</td>
<td>4.0</td>
</tr>
<tr>
<td>Flammability</td>
<td>FMVSS 302 Pass</td>
</tr>
<tr>
<td>Thermal Conductivity, W/m - K 20°C</td>
<td>0.04</td>
</tr>
</tbody>
</table>

*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-2470 thermal barrier is effective at reducing thermal loads in areas with high heat sources where little space is available.

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

PAINTED STEEL WITH TUFshield™ COMPARED TO NON-TREATED PAINTED STEEL WITH A 2” AIR GAP

Steel Substrate Cold Side Temperature  TUFshield Hot Side Temperature

Source Temperature
Technical Information
The technical information, recommendations and other statements contained in this document are based upon tests or experience that Aearo Technologies believes are reliable, but the accuracy or completeness of such information is not guaranteed.

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