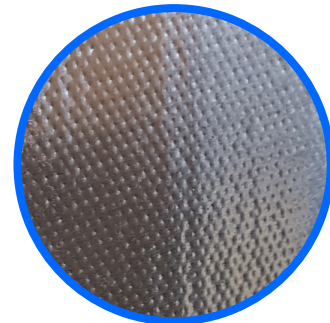


MilShield Lite

MilShield Lite is a light-weight, highly formable, resilient heat shield solution. MilShield Lite provides thermal protection for interior applications, yet is resilient enough to provide protection for exterior automotive conditions. The difference with MilShield Lite as compared to our regular MilShield is that it has a 2 mil aluminum facing. It is very effective at reducing thermal loads in areas with high heat sources where little space is available. MilShield Lite can be easily attached via pins, projection studs and mechanical fasteners. It is also available with pressure sensitive adhesive on one side.

TYPICAL APPLICATIONS:

- Engine or Muffler Baffles
- Firewall Protection
- Interior Thermal Protection



Typical Physical Properties

Specification	Test Method	Typical Results
Description		Aluminum / Foam / Adhesive
Aluminum Thickness		2.0 mil
Foam Type		Polyurethane
Nominal Core Thickness		4 mm
Pressure Sensitive Adhesive		3.2 mil acrylic
Surface Density	ASTM D3776	700 g/m ²
Thermal Conductivity, 20°C		0.04
Flammability	FMVSS 302	Pass
Reagent Resistance	Results based on 4 hour immersion	
<i>Motor Oil</i>		Pass
<i>Anti-freeze</i>		Pass
<i>Brake Fluid</i>		Pass
<i>Power Steering Fluid</i>		Pass
<i>Transmission Fluid</i>		Pass
<i>Washer Fluid</i>		Pass
Intermittent High Temperature		1,300°F

Tolerance ± 10%

Typical Physical Properties: Pressure Sensitive Adhesive

Specification	Test Method	Typical Results
Chemical Type		Acrylic
Peel Strength	PSTC-1	
<i>at 10 min</i>		179 oz/in
<i>at 24 hrs</i>		183 oz/in
Relative Tack (Initial)	PSTC-5	Very High
Shear Strength	PSTC-7	
<i>1 in x 1 in at .5 kg</i>		35 hrs
Resistance		
<i>Oxidation and UV</i>		Very Good
<i>Water and Humidity</i>		Good
<i>Plasticizer and Oil</i>		Fair
Temperature Range		
<i>Peak Performance</i>		-40° to 225°F
<i>Recommended Max. Intermittent</i>		250°F
Release Liner		Silicone-Coated PET

MilShield & MilShield Lite Heat Source Comparison

