



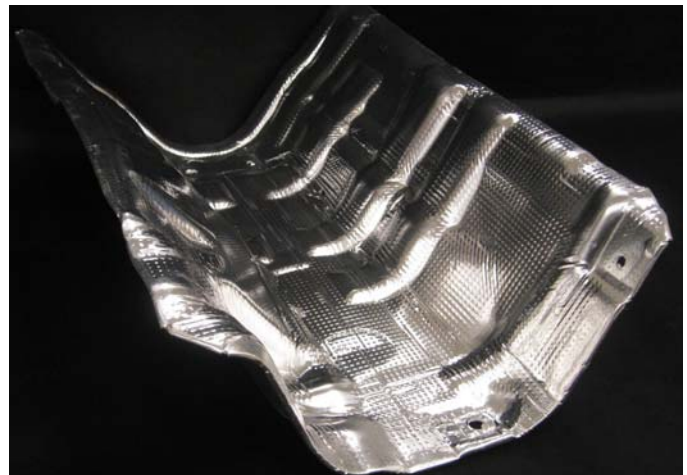
**THERMAL AND ACOUSTIC SHIELD**

**GENERAL DESCRIPTION**

A Light-Weight, Formable HeatShield with Excellent Acoustic Properties

**PRODUCT HIGHLIGHTS**

- ✓ Provides excellent thermal protection
- ✓ Excellent formability with cost-effective tooling
- ✓ Excellent dimensional stability of formed parts
- ✓ No resonant frequencies and Excellent acoustic barrier properties
- ✓ Absorption can be improved with fiber absorbers



**APPLICATION**

Typical Automotive Applications include Tunnel Insulator, Fuel Tank HeatShield and Underbody Shield

**MATERIAL PROPERTIES**

|                            |  |                    |
|----------------------------|--|--------------------|
| <b>APPEARANCE</b>          | Aluminum surface, blackened available          |                    |
| <b>WEIGHT/AREA</b>         | kg/m <sup>2</sup>                              | lb/ft <sup>2</sup> |
|                            | Approx. 1.0                                    | Approx. 0.22       |
| <b>THERMAL PROPERTIES</b>  | Provides protection from a 1000°F at 0.5" away |                    |
| <b>CHEMICAL RESISTANCE</b> | Resistant to most Automotive Fluids            |                    |
| <b>FLAMMABILITY</b>        | Passes FMVVS302                                |                    |

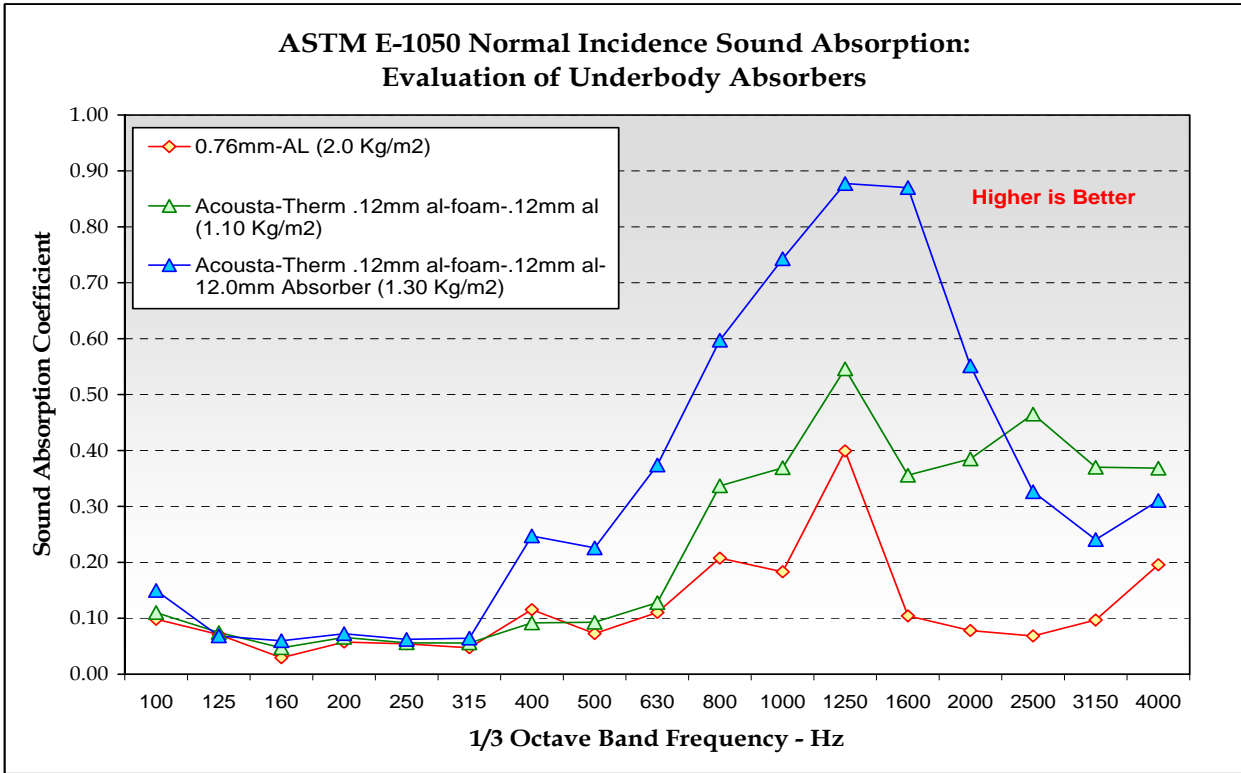
**OTHER PROPERTIES**

- ✓ Can be attached using push pins, projection studs, rivets, etc.
- ✓ Resistant to mildew
- ✓ Simple AL/PU Foam/AL Construction
- ✓ Standard Thickness of 4.0mm +/-1.0mm
- ✓ Very Easily Formed



THERMAL AND ACOUSTIC SHIELD

TRANSMISSION LOSS



THERMAL PERFORMANCE

