

HS-500



PRODUCT DESCRIPTION: HS-500 is an alternative to traditional thermal and acoustical heat shields. Material is comprised of high-performance aluminum sheeting, fiber composite, high-temperature pressure-sensitive adhesive on the back for attachment.

APPLICATIONS:

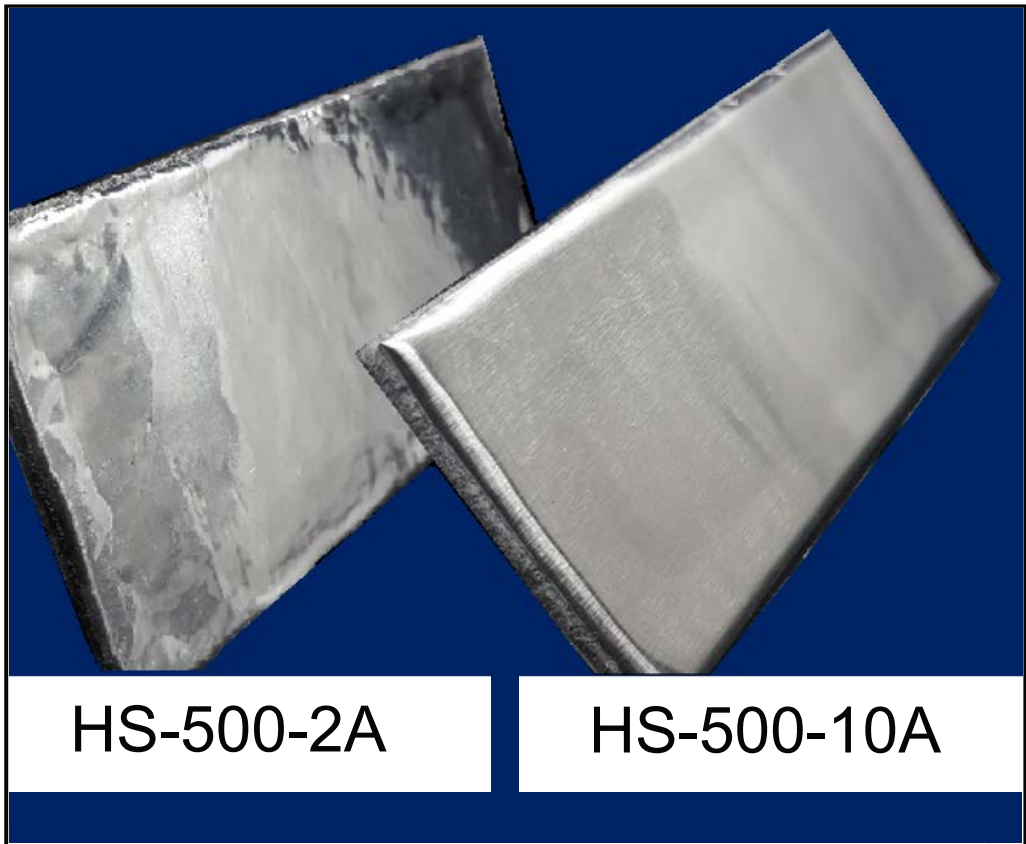
- Under body, wheel well
- Fuel tank thermal protection
- Sensor protection
- Interior dash and floor thermal protection

FEATURES & ADVANTAGES:

- Ideal for use in areas where limited standard attachments can be used or limited space available
- OEM specification tested
- Eliminate BSR (buzz, squeak, rattle) common of stamped heat shields
- Withstands 400°F oven test for 48 hours

TYPICAL PROPERTIES:

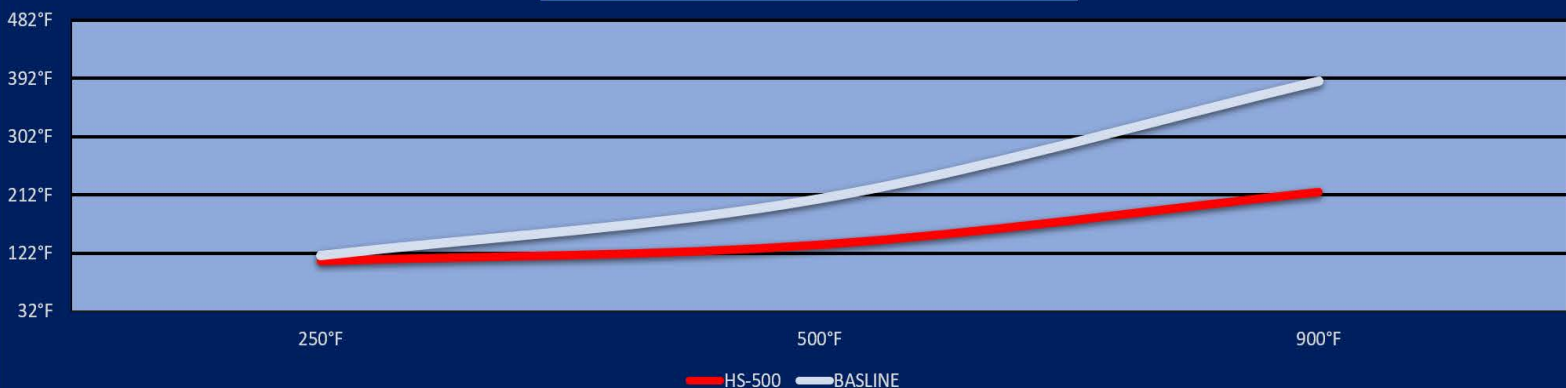
| | |
|------------------------------|---|
| Material Type: | Polyester core material |
| Core Thickness: | 3.25mm nominal |
| Foil Thickness: | 0.002 INCH HS-500-2A 0.010 INCH HS-500-10A <i>(0.01 INCH passes gravelometer)</i> |
| 7 Day Heat Aging @ 392 °F : | No Defects |
| Flammability: | SAEJ369 DNI(did not ignite) |
| Automotive Fluid Resistance: | Pass [ASTM D896] |
| * All Values Approximate | |



HS-500-2A

HS-500-10A

HS-500 THERMAL PERFORMANCE



Notice: All statements, information and data given herein are believed to be accurate and reliable. These values are intended as guides only and not as specification limits. This data is presented without guarantee, warranty or responsibility of any kind, expressed or implied. Statements or suggestions concerning possible use of our products are made without representation or warranty that any such use is free of patent infringement and are not recommendations to infringe any patent. The user should not assume that all safety measures are indicated or that other measures may or may not be required.

Test Description:

Ford Motor Company Engineering Specification WSS-M99P32-E6 (7/17) Performance, Acoustical and Thermal Components and Assemblies for Engine, Underhood, and Tunnel Applications Sections 3.4.1 Weight per Unit Area, 3.5.1 Flammability - Standard Test, 3.7.1.1 Breaking Strength - Original, 3.7.1.2 Breaking Strength - Change after Short Term Environmental, 3.7.1.3 Change after Long Term Environmental, 3.7.1.4 Change after Immersion in Water, 3.7.5 Peel Strength, and 3.7.6 Moisture Absorption.

Flammability - Standard Test ISO 3795 (10/89)

Burn Rate: Self Extinguished, specimen met the specification requirement

Short Term Environmental Cycling - FLTM BO 040-01 (7/18)

Conditions: Subject sample to the following exposure

- 5 hours at -104°F
- 48 hours at 100.4°F and 95% Relative Humidity
- 48 hours at 248°F/302°F
- 5 hours at -104°F
- 48 hours at 100.4°F and 95% Relative Humidity
- 48 hours at 120°C/248°C

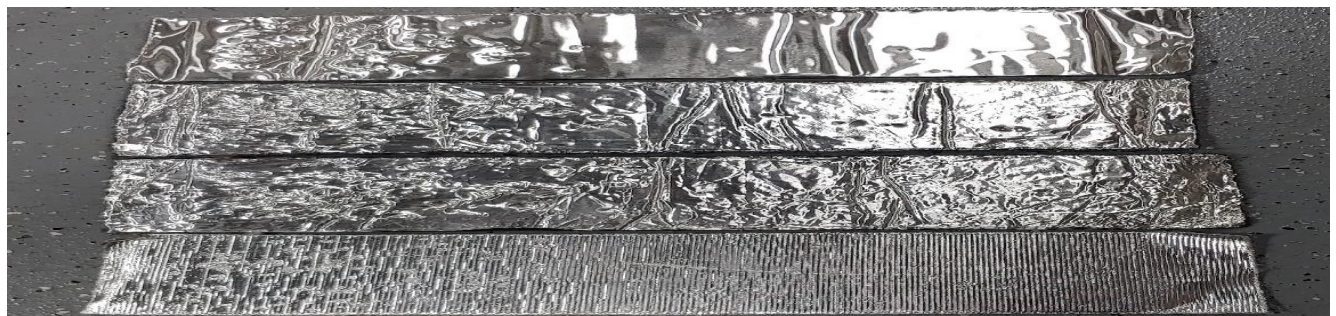
Exhibited no excessive tackiness, loss in surface-grain, or surface-color, yellowing, wrinkling, distortion, blistering, delamination, blushing, hazing, milking, staining, waviness, or other objectionable visual appearance. No warping, distortion or movements.

Long Term Term Environmental Cycling - FLTM BO 040-01 (7/18)

Conditions: Subject sample to either 248°F or 302°F for 168 hours.

Exhibited no excessive tackiness, loss in surface-grain, or surface-color, yellowing, wrinkling, distortion, blistering, delamination, blushing, hazing, milking, staining, waviness, or other objectionable visual appearance. No warping, distortion or movements.

Gravelometer Test - SAEJ400 (10/12)



specimen exhibited no evidence of chipping through to the substrate. Specimen met the specification criteria