

SPECIFICATION SHEET

PRODUCT NAME: HEATSHIELD™ MAT
ALIASES: THERMAFLECT™ TAPE

SECTION 1: APPLICATIONS

- Heat shield curtains
- Body panels
- Fairings
- Electrical
- Air Boxes
- Air intake charge tubes
- Wiring
- Hoses

SECTION 2: FEATURES AND BENEFITS

Heatshield™ Mat with Adhesive and Thermafect™ Tape is a heat shield fabric designed to reflect radiant heat. This product conforms to MIL-C-20079, Type I, Class 10 in addition to MIL-I-24244.

SECTION 3: TECHNICAL DATA**Cloth Physical Characteristics**

Fiber content: **Fiberglass**
 Weave: **Plain**
 Weight: **21oz/sqyd**
 Thickness: **.040"**

Finish/coating: **Aluminum**
 Color: **Chrome**
 Electrical: **Conductive**
 Widths: **up to 58" wide**

Performance Characteristics

Break Strength (warp): **200lbs**
 Tear Strength (warp): **40lbs**
 Afterflame: **NA**
 Afterglow: **NA**

Break Strength (fill): **100lbs**
 Tear Strength (fill): **40 lbs**
 Char Length: **NA**

Temperature Parameters:

Reflectivity: **Up to 3000°F**
 Melt: **>1200°F**

Base Fabric Service: **1000°F**



Optional Adhesive Specifications:

- Offers a specialty-formulated high shear strength acrylic adhesive
- A “permanent” adhesive that will not bleed into most paper minimizing discoloration of printed materials
- Liner is easy to initiate, easy-to-remove

Physical Property	Test Method	Unit of Measure	Value
Thickness - Adhesive		Mils	3
Thickness – Release Liner		Mils	5.5
Peel Adhesion 1 mil polyester / 24 Hours Dwell	PSTC 101		58
Peel Adhesion 2 mil dead soft alum. / 24 Hours Dwell	PSTC 101		160
Shear Adhesion 1000gm/in ² @ 72°F	PSTC 107 - Modified		7+ Days No Failure
Shear Adhesion 500 gm/in ² @ 150°F	PSTC 107 - Modified		7+ Days No Failure
Loop Track	PSTC 16	oz/in	125
Service Temperature		°F	-30 to 250
Application Temperature		°F	68 to 100

NOTE: The use of heat and pressure will improve the bond strength to the substrate (fabric etc.).

