

## SECTION 1: APPLICATIONS

Welding protection, fire/safety, automotive, high temperature gaskets and seals, aerospace insulation, automotive interior insulation. Maybe be sewn into convertible top or glued above a headliner to significantly reduce cabin temperatures in hot climates.

**Industries Served**

- Automotive
- Marine
- Heavy Duty
- Power Generation
- Appliance
- Fire Protection
- Foundries
- Petrochemical



## SECTION 2: FEATURES AND BENEFITS

- Withstands direct flame, heavy sparks, and molten metal
- Prevents the transfer of heat
- Resists tearing
- Abrasion resistance
- Extremely efficient at displacing thermal energy

## SECTION 3: TECHNICAL DATA

|                              |   |  |
|------------------------------|---|--|
| <b>Fiber Type:</b>           | Pan based carbon fiber with woven reinforcement |  |
| <b>Color:</b>                | Black   |  |
| <b>Maximum Temperature:</b>  | 3000F   |  |
| <b>Service Temperature:</b>  | 1800F   |  |
| <b>Thermal Conductivity:</b> | 0.03W/m*K                                       |  |

|   | <b><u>0.125" thickness</u></b> | <b><u>0.250" thickness</u></b> |
|---|--------------------------------|--------------------------------|
| <b>Weight:</b>                                    | 16 oz/sqyd                     | 22 oz/sqyd                     |
| <b>Mullens Burst Test:</b>                        | 200 lbs                        | 250 lbs                        |
| <b>Tensile Strength:</b><br>(with 30% elongation) | 146 lbs                        | 175 lbs                        |

Meets Coast Guard Spec. 164.009 for Incombustible Materials.

Meets ASTM E84 for Incombustible Materials

Thickness listed are in Stealth™ Shield's natural state. When stamped, rolled, coated, or shipped, thicknesses may compress. Stealth Shields's thermal capabilities are not compromised or affected.