



## THERMASHIELD® T6 HEAT REFLECTIVE ALUMINUM LAMINATED FIBERGLASS SELF WRAP & SEAL OVERLAP WITH HIGH TEMPERATURE ADHESIVE STRIP

The newest item in the ThermaShield® line of aluminized fiberglass products, T6 is designed for ease of installation when component disassembly isn't practical. Just wrap the pre-formed, split flexible tube around any component and seal the sides with the high temperature adhesive strip to provide protection from hot pipes and engine components. The highly reflective aluminized exterior, combined with the insulating fiberglass interior, protects delicate wire bundles, cables and lines from damage caused by nearby exhaust pipes, headers or other heat generating components. When applied, the aluminum laminate reflects heat away and the insulating fiberglass backing protects the fragile contents from thermal damage and failure. T6 can reduce the heat transmission from hot pipes or engine components into hoses or harnesses by up to 50% or more.

### SIZING CHART

| Nominal Size | Part #    | Wall Thickness<br>±0,18mm | 1,2m Pcs. *Put-Ups |     |     |     | Available Colors | Kgs/<br>10Pcs. |
|--------------|-----------|---------------------------|--------------------|-----|-----|-----|------------------|----------------|
|              |           |                           | XS                 | S   | M   | L   |                  |                |
| 6,4mm        | T6F0.25SV | 1,07mm                    | 50                 | 100 | 140 | 250 | 1                | 0,45           |
| 9,5mm        | T6F0.38SV | 1,07mm                    | 30                 | 50  | 90  | 250 | 1                | 0,68           |
| 12,7mm       | T6F0.50SV | 1,07mm                    | 25                 | 40  | 70  | 250 | 1                | 0,91           |
| 15,9mm       | T6F0.63SV | 1,07mm                    | 20                 | 35  | 60  | 150 | 1                | 1,13           |
| 19,1mm       | T6F0.75SV | 1,07mm                    | 15                 | 30  | 50  | 125 | 1                | 1,36           |
| 25,4mm       | T6F1.00SV | 1,07mm                    | 9                  | 20  | 30  | 70  | 1                | 1,59           |
| 31,9mm       | T6F1.25SV | 1,07mm                    | 6                  | 10  | 20  | 63  | 1                | 2,04           |
| 38,1mm       | T6F1.50SV | 1,07mm                    | 4                  | 8   | 15  | 40  | 1                | 2,27           |
| 50,8mm       | T6F2.00SV | 1,07mm                    | 2                  | 4   | 8   | 24  | 1                | 2,73           |

\*Put-Ups: "XS" = Box 4x4, "S" = Box 6x6, "M" = Box 8x8, and "L" = Bulk Box

### FEATURES

|                |                               |
|----------------|-------------------------------|
| Material       | Aluminum Laminated Fiberglass |
| Grade          | T6F                           |
| Wall Thickness | 1,07mm                        |
| Drawing Number | TF001T6F-WD                   |
| Cutting        | Scissors                      |

### COLORS



Silver (SV)

### CERTIFICATIONS



**FAR-25**





## ABRASION

|  |                   |
|--|-------------------|
| Abrasion Resistance  | <b>EXTREME</b>    |
| Abrasion Test Machine                                      | Taber 5150        |
| Abrasion Test Wheel  | Calibrase H-18    |
| Abrasion Test Load   | 500g              |
| Room Temperature   | 71°F / 21°C       |
| Humidity   | 53%               |
| Most Foil Coating Worn Away In Tested Area Of Material     | 3 500 Test Cycles |
| Material Destroyed - Braid Worn Through In Both Directions | 6 000 Test Cycles |
| Pre-Test Weight  | 18 188,4mg        |
| Post-Test Weight   | 16 555,5mg        |
| Test End Loss Of Mass Point Of Destruction                 | 1 632,9mg         |

## PHYSICAL PROPERTIES

|  |               |
|--|---------------|
| Monofilament Diameter (ASTM D-204)         | NA            |
| Flammability Rating                        | Non Flammable |
| Recommended Cutting                        | Scissors      |
| Colors                                     | 1             |
| Wall Thickness                             | 1,1mm         |
| Tensile Strength (Yarn) (ASTM D-2256 Lbs)  | NA            |
| Specific Gravity (ASTM D-792)              | NA            |
| Moisture Absorption % (ASTM D-570)         | NA            |
| Hard Vacuum Data (ASTM E-595 at 10-5 torr) | NA            |
| TML  | NA            |
| CVCM                                       | NA            |
| WVR  | NA            |
| Smoke D-Max (ASTM E-662)                   | NA            |
| Outgassing                                 | NA            |
| Oxygen Index (ASTM D-2863)                 | NA            |

## FLAMMABILITY

|        |               |
|--------|---------------|
| Rating | Non Flammable |
|--------|---------------|

## OPERATING TEMPERATURES

|                                  |                   |
|----------------------------------|-------------------|
| Melt Point (ASTM D-2117)         | 2,048°F / 1,120°C |
| Maximum Continuous (Mil-I-23053) | 491°F / 255°C     |
| Minimum Continuous               | -76°F / -60°C     |

## CHEMICAL RESISTANCE

1=No Effect 2=Little Effect 3=Affected 4=More Affected 5=Severely Affected

|                              |     |
|------------------------------|-----|
| Aromatic Solvents            | 1   |
| Aliphatic Solvents           | 1   |
| Chlorinated Solvents         | 1   |
| Weak Bases                   | 1   |
| Salts                        | 1   |
| Strong Bases                 | 1   |
| Salt Water (0-S-1926)        | 1   |
| Hydraulic Fluid (MIL-H-5606) | 1   |
| Lube Oil (MIL-L-7808)        | 1   |
| De-Icing Fluid (MIL-A-8243)  | 1   |
| Strong Acids                 | 2   |
| Strong Oxidants              | 2   |
| Esters/Ketones               | 1   |
| UV Light                     | 1   |
| Petroleum                    | 1   |
| Fungus (ASTM G-21)           | 1   |
| Halogen Free                 | Yes |
| RoHS                         | Yes |
| SVHC                         | NA  |