***EXTREME TEMPERATURES***
Technical Data Sheet

# THERMASHIELD T6

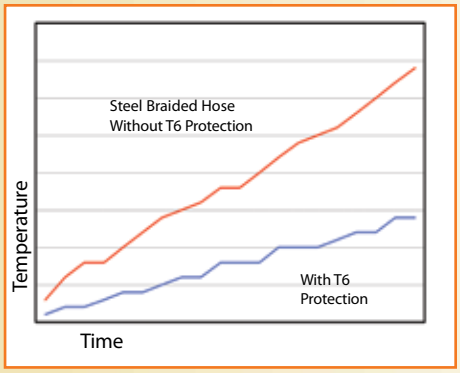
- Heat Reflective Aluminum Laminated Fiberglass
- Self Wrap And Seal Overlap With High Temperature Adhesive Strip
- Reflects Radiant Heat
- Resists Gasoline And Engine Chemicals
- Cut And Abrasion Resistant

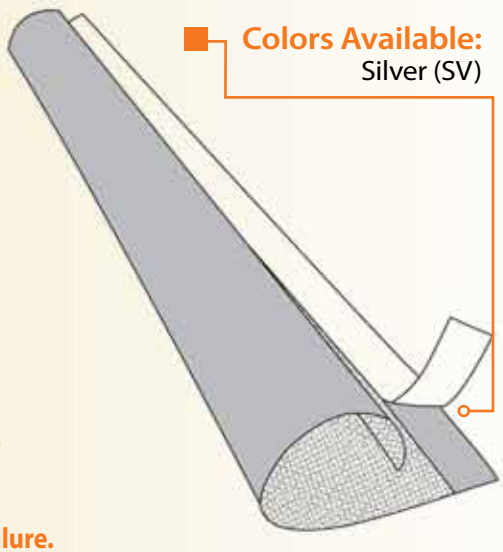
| | | | 4′ Put-Ups | | | | | |
|---|---|---|---|---|---|---|---|---|
| Nominal Size | Part # | Wall Thickness ±0.007″ | Bulk Box | Box 8x8 | Box 6x6 | Box 4x4 | Available Colors | Lbs/ 10Pcs. |
| 1/4″ | T6F0.25SV | 0.042″ | 250 | 140 | 100 | 50 | Silver | 1.0 |
| 3/8″ | T6F0.38SV | 0.042″ | 250 | 90 | 50 | 30 | Silver | 1.5 |
| 1/2″ | T6F0.50SV | 0.042″ | 250 | 70 | 40 | 25 | Silver | 2.0 |
| 5/8″ | T6F0.63SV | 0.042″ | 150 | 60 | 35 | 20 | Silver | 2.5 |
| 3/4″ | T6F0.75SV | 0.042″ | 125 | 50 | 30 | 15 | Silver | 3.0 |
| 1″ | T6F1.00SV | 0.042″ | 70 | 30 | 20 | 9 | Silver | 3.5 |
| 1 1/4″ | T6F1.25SV | 0.042″ | 63 | 20 | 10 | 6 | Silver | 4.5 |
| 1 1/2″ | T6F1.50SV | 0.042″ | 40 | 15 | 8 | 4 | Silver | 5.0 |
| 2″ | T6F2.00SV | 0.042″ | 24 | 8 | 4 | 2 | Silver | 6.0 |


## Reflective Aluminized Surface Bonded To Insulating Self Wrapping Fiberglass

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.



**Colors Available:**
Silver (SV)

**Material**
Aluminum Laminated Fiberglass

**Grade**
T6F

**Wall Thickness**
.042″

**Drawing Number**
TF001TW-WD

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.

TECHFLEX
Braided Sleeving Products
www.techflex.com
800.323.5140 • 973.300.9242 • fax: 973.300.9409
104 Demarest Road • Sparta, NJ 07871

**FAR-25** **HALOGEN FREE** RoHS Compliant

# THERMASHIELD T6

## ABRASION

***Abrasion Resistance***
**High**

***Abrasion Test Machine***
**Taber 5150**

***Abrasion Test Wheel***
**Calibrase H-18**

***Abrasion Test Load***
**500g**

***Room Temperature***
**71°F**

***Humidity***
**53%**

***Most Foil Coating Worn Away In Tested Area Of Material***
**3,500 Test Cycles**

***Braid Worn Through In Both Directions Material Destroyed***
**6,000 Test Cycles**

***Pre-Test Weight***
**18,188.4 mg**

***Post-Test Weight***
**16,555.5 mg**

***Test End Loss Of Mass Point Of Destruction***
**1,632.9 mg**

## FLAMMABILITY

Rating_____Non Flammable

**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* 4=*More Affected*
2=*Little Effect* 5=*Severely Affected*
3=*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/Keytones | 1 |
| UV Light | 1 |
| Petroleum | 1 |
| Fungus *ASTM G-21* | 1 |
| Halogen Free | Yes |
| RoHS | Yes |
| SVHC | |

## PHYSICAL PROPERTIES

Monofilament Diameter_____NA
*ASTM D-204*
Flammability Rating___Non Flammable
Recommended Cutting_____Scissor
Colors_____1
Wall Thickness_____.042