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.

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**Material**
Aluminum Laminated Fiberglass

**Grade**
T6F

**Wall Thickness**
.042”

**Drawing Number**
TF001TW-WD

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*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.*
ABRASION FLAMMABILITY

**ABRASION RESISTANCE**

- **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

**CHEMICAL RESISTANCE**

- Aromatic Solvents ________________ 1
- Aliphatic Solvents__________________ 1
- Chlorinated Solvents ______________ 1
- Weak Bases ________________________ 1
- Salts ______________________________ 1
- Strong ____________________________ 1
- Salt Water O-S-1926 _________________ 1
- Hydraulic Fluid MIL-H-5606 __________ 1
- Lube Oil MIL-L-78 08 _______________ 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

**PHYSICAL PROPERTIES**

- Flammability Rating _Non Combustible_
- Recommended Cutting _______Scissor
- Colors _________________________ 1
- Wall Thickness_______________ .042”

**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)