EXTREME TEMPERATURES
Technical Data Sheet

THERMASHIELD T6

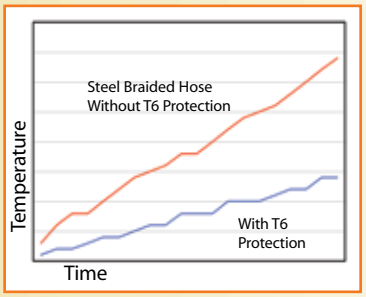
- Heat Reflective Aluminum Laminated Fiberglass
- Self Wrap And Seal Overlap With High Temperature Adhesive Strip
- Reflects Radiant Heat
- Resists Gasoline And Engine Chemicals
- Cut And Abrasion Resistant

			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"	88	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.



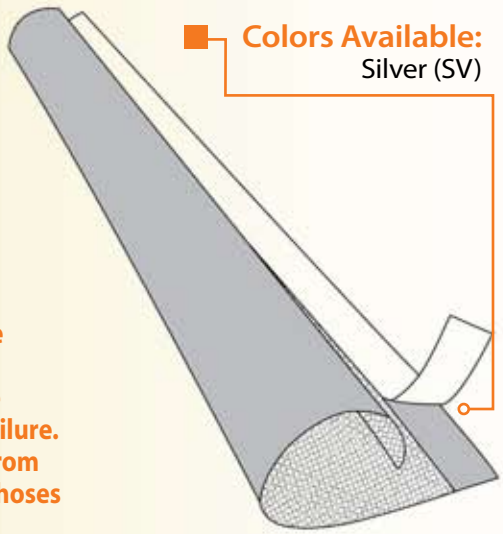
Material
Aluminum Laminated Fiberglass

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.



Colors Available:
Silver (SV)

TECHFLEX
Braided Sleeving Products
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FAR-25 HALOGEN FREE

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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 *ASTM D-204*	NA
Flammability Rating	Non Flammable
Recommended Cutting	Scissor
Colors	1
Wall Thickness	.042

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