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



Material Aluminum Laminated Fiberglass Grade T6F Wall Thickness .042" Drawing Number TF001TW-WD

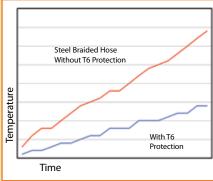
www.techflex.com 800.323.5140 • 973.300.9242 • fax: 973.300.9409 104 Demarest Road • Sparta, NJ 07871

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

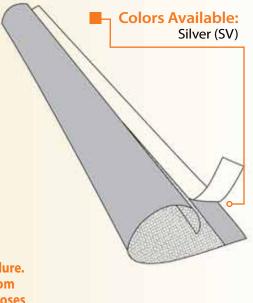
Reflective Aluminized Surface Bonded To Insulating Self Wrapping Fiberglass

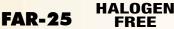
The newest item in the ThermaShield line of aluminized fiberglass products, T6 is designed for ease of installation when component disassembly isn't practical. Just wrap the pre-formed, split flexible tube around any component and seal the sides with the high temperature adhesive strip to provide protection 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.



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.







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2100

1500 200

300

THERMASHIELD T6



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



Non Flammable Rating

Chemical Resistance

1
4

=No Effect 4=More Affected - Little Effect 5- Severely Affected

3=Affected	1100100
Aromatic Solvents	1
Aliphatic Solvents	1
Chlorinated Solvents	1
Weak Bases	1
Salts	
Strong Bases	
Salt Water 0-S-1926	
Hydraulic Fluid MIL-H-5606	
Lube Oil MIL-L-7808	
De-Icing Fluid MIL-A-8243	
Strong Acids	2
Strong Oxidants	2
Esters/Keytones	
UV Light	1
Petroleum	
Fungus ASTM G-21	
Halogen Free	
RoHS	Yes
SVHC	

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)

TEMPERATURES

TING

OPERA

PHYSICAL PROPERTIES

Monofilament Diameter ASTM D-204	NA
Flammability Rating	Non Flammable
Recommended Cutting_	Scissor
Colors	1
Wall Thickness	.042

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