

# THERMASHIELD TUBE

- Economical And Easy To Install
- Cuts Easily With Scissors
- Reflects Radiant Heat
- Insulates Delicate Wires And Components
- Resists Gasoline And Engine Chemicals

**Put-Ups**

Nominal Size	Part #	Wall Thickness ±0.006"	Bulk Spool	Shop Spool	Retail	Clam	Bag	Available Colors	Lbs/100'
1/2"	TTN0.50SV	0.025"	250'	100'	50'	4'	10'	Silver	2.55
5/8"	TTN0.63SV	0.025"	250'	100'	50'	4'	10'	Silver	3.00
3/4"	TTN0.75SV	0.025"	250'	100'	50'	4'	10'	Silver	3.45
7/8"	TTN0.88SV	0.025"	250'	100'	50'	4'	10'	Silver	4.10
1"	TTN1.00SV	0.025"	250'	100'	50'	4'	10'	Silver	4.50
1 1/4"	TTN1.25SV	0.025"	250'	100'	50'	4'	10'	Silver	5.40
1 1/2"	TTN1.50SV	0.025"	250'	100'	50'	4'	10'	Silver	6.20
1 3/4"	TTN1.75SV	0.025"	100'	50'	25'	4'	10'	Silver	7.40
2"	TTN2.00SV	0.025"	100'	50'	25'	n/a	5'	Silver	8.70
2 1/2"	TTN2.50SV	0.025"	100'	50'	25'	n/a	5'	Silver	10.10

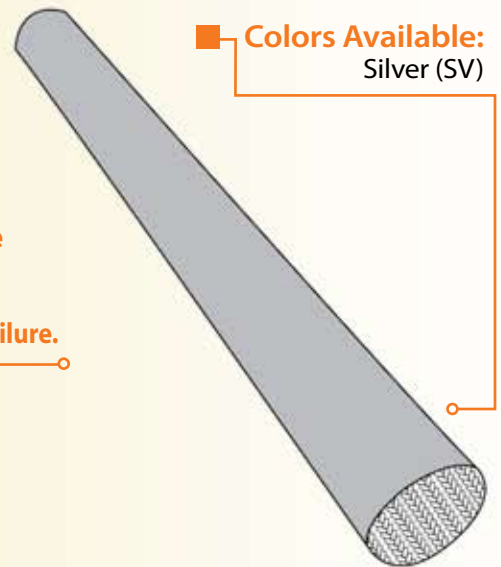


**Cut Cleanly**  
**Scissor**

## Reflective Aluminized Surface Bonded to Insulating Fiberglass

THERMASHIELD creates a buffer between your wires, hoses and cables and the high temperature environments they are required to perform in. ThermaShield is engineered by laminating an aluminum heat shield to a layer of strong fiberglass insulation. This system provides superior protection from radiant heat by reflecting it away from sensitive electronics, wiring and hoses.

THERMASHIELD TUBE (TTN) is designed to easily slip over wires or hoses. The seamless construction provides full coverage and protection, and the flexible sleeving cuts easily with scissors.



**Material**  
 Aluminum Laminated Fiberglass

**Grade**  
 TTN

**Wall Thickness**  
 .025"

**Drawing Number**  
 TF001TT-WD





**THERMASHIELD TUBE**



**Abrasion Resistance  
Very High**

**Abrasion Test Machine  
Taber 5150**

**Abrasion Test Wheel  
Calibrase H-18**

**Abrasion Test Load  
500g**

**Room Temperature  
73°F**

**Humidity  
55%**

**Foil Layer Worn Through  
1,000 Test Cycle**

**Fiberglass Layer Worn  
Through - Material  
Destroyed  
1,200 Test Cycles**

**Pre-Test Weight  
10,925.0 mg**

**Post-Test Weight  
9,607.6 mg**

**Test End Loss Of Mass  
Point Of Destruction  
1,317.4 mg**



Rating \_\_\_\_\_

\_\_\_\_\_ Non Combustible / Will not Burn



**Chemical  
Resistance**

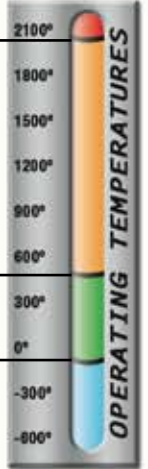
1=No Effect    4=More Affected  
2=Little Effect    5=Severely Affected  
3=Affected

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 _____	_____

**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)**



**PHYSICAL  
PROPERTIES**

Monofilament Diameter \_\_\_\_\_ NA  
ASTM D-204

Flammability Rating \_\_\_\_\_ Non Combustible

Recommended Cutting \_\_\_\_\_ Scissor

Colors \_\_\_\_\_ 1

Wall Thickness \_\_\_\_\_ .025

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