#### **EXTREME TEMPERATURES** Technical Data Sheet

## THERMASHIELD TUBE

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

- ADUDA						
Nominal Size	Part #	Wall Thickness ±0.006″	Bulk Spool	Shop Spool	Available Colors	Lbs/ 100'
1/2″	TTN0.50SV	0.025″	250′	100′	Silver	2.55
5/8″	TTN0.63SV	0.025″	250′	100′	Silver	3.00
3/4″	TTN0.75SV	0.025"	250′	100′	Silver	3.45
7/8″	TTN0.88SV	0.025"	250′	100′	Silver	4.10
1″	TTN1.00SV	0.025″	250′	100′	Silver	4.50
1 1/4″	TTN1.25SV	0.025″	250′	100′	Silver	5.40
1 1/2″	TTN1.50SV	0.025″	250′	100′	Silver	6.20
1 3/4″	TTN1.75SV	0.025″	100′	50′	Silver	7.40
2″	TTN2.00SV	0.025″	100′	50′	Silver	8.70
2 1/2″	TTN2.50SV	0.025″	100′	50′	Silver	10.10
3″	TTN3.00SV	0.025″	100′	50′	Silver	19.00



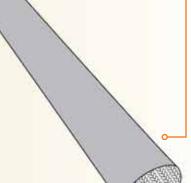
**Aluminum Laminated Fiberglass** 

#### 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.

When applied, the aluminum laminate reflects heat away and the insulating fiberglass backing protects the fragile contents from thermal damage and failure.



HALOGEN

FRFF

**Colors Available:** 

Silver (SV)



Drawing Number TF001TT-WD

**Wall Thickness** 

Material

Grade

TTN

.025"



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

THERMA SHIELD

#### EXTREME TEMPERATURES **Technical Data Sheet**

## 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 <i>MIL-H-5606</i>	1
Lube Oil <i>MIL-L-7808</i>	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

Melt Point ASTM D-2117 2,048°F (1,120°C)

SHIELD

21000

1800\*

1500 12001

000

500\*

300

808

THERMA

Maximum Continuous Mil-I-23053 491°F (255°C)

Minimum Continuous -76°F (-60°C) TEMPERATURES

OPERATING

# PHYSICAL PROPERTIES

Flammability Rating_	_Non Combustible
Recommended Cutti	ingScissor
Colors	1
Wall Thickness	.025

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