

## THERMASHIELD® TUBE

### A THERMAL BUFFER BETWEEN CABLES AND HIGH TEMP ENVIRONMENTS REFLECTS RADIANT HEAT · INSULATES DELICATE WIRES & COMPONENTS

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.

#### SIZING CHART

Nominal Size	Part #	Wall Thickness	*Put-Ups		Available Colors	Lbs/100'
			M	L		
¼"	TTN0.25SV	.025"	50'	100'	1	1.50
⅜"	TTN0.38SV	.025"	50'	100'	1	1.86
½"	TTN0.50SV	.025"	50'	100'	1	2.55
⅝"	TTN0.63SV	.025"	50'	100'	1	3.00
¾"	TTN0.75SV	.025"	50'	100'	1	3.45
⅞"	TTN0.88SV	.025"	50'	100'	1	4.10
1"	TTN1.00SV	.025"	50'	100'	1	4.50
1¼"	TTN1.25SV	.025"	50'	100'	1	5.40
1½"	TTN1.50SV	.025"	50'	100'	1	6.20
1¾"	TTN1.75SV	.025"	25'	50'	1	7.40
2"	TTN2.00SV	.025"	25'	50'	1	8.70
2½"	TTN2.50SV	.025"	25'	50'	1	10.10
3"	TTN3.00SV	.025"	25'	50'	1	19.00

\*Put-Ups: "M" = Shop Spool and "L" = Bulk Spool



#### FEATURES

Material	Aluminum Laminated Fiberglass
Grade	TTN
Wall Thickness	.025"
Drawing Number	TF001TTN-WD
Cutting	Scissors

#### COLORS



Silver (SV)

#### CERTIFICATIONS



FAR-25

## ABRASION

Abrasion Resistance	<b>VERY HIGH</b>
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 Cycles
Material Destroyed - Fiberglass Layer Worn Through	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

## PHYSICAL PROPERTIES

Monofilament Diameter (ASTM D-204)	NA
Flammability Rating	Non Combustible
Recommended Cutting	Scissors
Colors	1
Wall Thickness	.025"
Tensile Strength (Yarn) (ASTM D-2256 Lbs)	NA
Specific Gravity (ASTM D-792)	NA
Moisture Absorption % (ASTM D-570)	NA
Hard Vacuum Data (ASTM E-595 at 10-5 torr)	NA
TML	NA
CVCM	NA
WVR	NA
Smoke D-Max (ASTM E-662)	NA
Outgassing	NA
Oxygen Index (ASTM D-2863)	NA

## FLAMMABILITY

Rating	Non Combustible, Will Not Burn
--------	--------------------------------

## OPERATING TEMPERATURES

Melt Point (ASTM D-2117)	2,048°F / 1,120°C
Maximum Continuous (Mil-I-23053)	491°F / 255°C
Minimum Continuous (Mil-I-23053)	-76°F / -60°C

## CHEMICAL RESISTANCE

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

Aromatic Solvents	1
Aliphatic Solvents	1
Chlorinated Solvents	1
Weak Bases	1
Salts	1
Strong Bases	1
Salt Water (O-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/Ketones	1
UV Light	1
Petroleum	1
Fungus (ASTM G-21)	1
Halogen Free	Yes
RoHS	Yes
SVHC	NA