

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	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 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
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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