

## THERMASHIELD® WRAP

### REFLECTIVE ALUMINIZED SURFACE BONDED TO INSULATING FIBERGLASS REFLECTS RADIANT HEAT

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. When component disassembly isn't an option, THERMASHIELD® WRAP (TWN) is the solution. Designed to fit securely around existing assemblies and hard to reach components, the flat material is joined along the edge with a strip of permanent, high temperature adhesive. The aggressive bonding agent will securely adhere anywhere along the width of the material, affording maximum protection and allowing a snug fit around odd-shaped connectors and terminations.

#### SIZING CHART

Nominal Size	Part #	Sheet Width	Wall Thickness ±0,2mm	Put-Ups		Available Colors	Kgs/100m
				M	L		
12,7mm	TWN0.50SV	46,0mm	0,6mm	30,5m	76,2m	1	3,87
19,1mm	TWN0.75SV	63,5mm	0,6mm	30,5m	76,2m	1	5,95
25,4mm	TWN1.00SV	85,7mm	0,6mm	30,5m	61,0m	1	7,59
31,8mm	TWN1.25SV	108,0mm	0,6mm	30,5m	61,0m	1	8,48
38,1mm	TWN1.50SV	127,0mm	0,6mm	30,5m	61,0m	1	9,67
44,5mm	TWN1.75SV	147,6mm	0,6mm	15,2m	30,5m	1	11,01
50,8mm	TWN2.00SV	169,9mm	0,6mm	15,2m	30,5m	1	12,50
57,2mm	TWN2.25SV	187,3mm	0,6mm	15,2m	30,5m	1	14,14

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



#### FEATURES

Material	Aluminum Laminated Fiberglass
Grade	TWN
Wall Thickness	0,6mm
Drawing Number	TF001TWN-WD
Cutting	Scissors

#### COLORS



#### 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	70°F / 21°C
Humidity	57%
Foil Layer Worn Through	1 000 Test Cycles
Material Destroyed - Fiberglass Layer Worn Through	1 300 Test Cycles
Pre-Test Weight	mg
Post-Test Weight	mg
Test End Loss Of Mass Point Of Destruction	mg

## PHYSICAL PROPERTIES

Monofilament Diameter (ASTM D-204)	NA
Flammability Rating	Non Combustible
Recommended Cutting	Scissors
Colors	1
Wall Thickness	0,6mm
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	-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