

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 ±.008"	Put-Ups		Available Colors	Lbs/ 100'
				M	L		
½"	TWN0.50SV	1 ¹³ / ₁₆ "	.025"	100'	250'	1	2.60
¾"	TWN0.75SV	2½"	.025"	100'	250'	1	4.00
1"	TWN1.00SV	3 ³ / ₈ "	.025"	100'	200'	1	5.10
1¼"	TWN1.25SV	4¼"	.025"	100'	200'	1	5.70
1½"	TWN1.50SV	5"	.025"	100'	200'	1	6.50
1¾"	TWN1.75SV	5 ¹³ / ₁₆ "	.025"	50'	100'	1	7.40
2"	TWN2.00SV	6 ¹ / ₁₆ "	.025"	50'	100'	1	8.40
2¼"	TWN2.25SV	7 ³ / ₈ "	.025"	50'	100'	1	9.50

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



FEATURES

Material	Aluminum Laminated Fiberglas
Grade	TWN
Wall Thickness	.025"
Drawing Number	TF001TWN-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	70°F
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	.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	-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