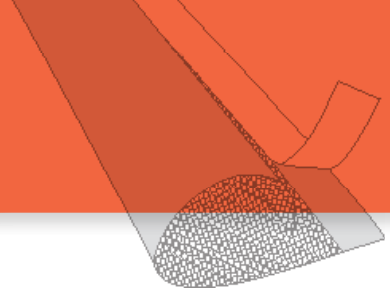
THERMA SHIELD WRAP

EXTREME
TEMPERATURE
Technical Data Sheet



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

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

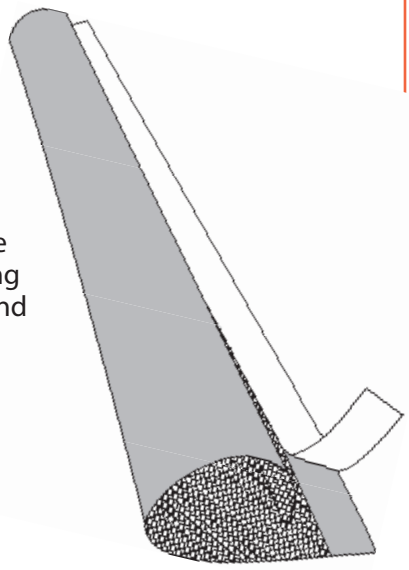
Reflective Aluminized Surface Bonded To Insulating Fiberglass

Colors Available:
Silver (SV)

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 WRAP (TWN). When component disassembly isn't an option, 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.

Cut Cleanly
Scissors



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

Material
Aluminum Laminated Fiberglass

Grade
TWN

Wall Thickness
0,6mm

Drawing Number
TF001TW-WD

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HALOGEN FREE FAR-25

RoHS Compliant

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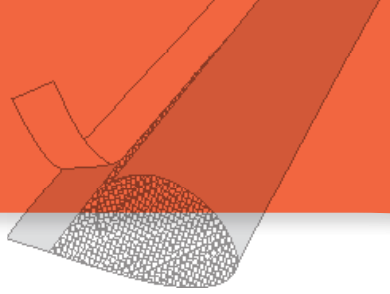


THERMA SHIELD WRAP

ABRASION

Abrasion Resistance
Very High

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 Cycle

Fiberglass Layer Worn Through - Material Destroyed
1 300 Test Cycles

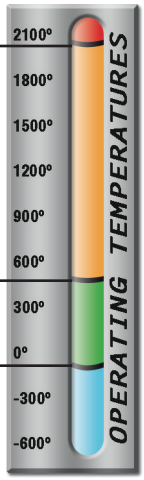
FLAMMABILITY

Rating _____ Non Combustible
Will not burn

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 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 *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

PHYSICAL PROPERTIES

Flammability Rating	Non Combustible
Recommended Cutting	Scissor
Colors	1
Wall Thickness	0,6mm

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