EXTREME TEMPERATURES Technical Data Sheet

THERMASHIELD WRAP

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



Material

Aluminum Laminated Fiberglass

Grade TWN

Wall Thickness

.025″

Drawing Number TF001TW-WD



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					Put-Ups					
Nominal Size	Part #	Sheet Width	Wall Thickness ±0.008"	Bulk Spool	Shop Spool	Retail	Clam	Bag	Available Colors	Lbs/ 100'
1/2″	TWN0.50	1 1/2″	0.025″	200′	100′	n/a	10′	n/a	Silver	2.60
3/4″	TWN0.75	2 1/4″	0.025″	200′	100′	n/a	10′	n/a	Silver	4.00
1″	TWN1.00	3 3/4″	0.025″	200′	100′	n/a	10′	n/a	Silver	5.10
1 1/4″	TWN1.25	4 1/2″	0.025″	200′	100′	n/a	10′	n/a	Silver	5.70
1 1/2″	TWN1.50	5 1/4″	0.025″	200′	100′	n/a	10′	n/a	Silver	6.50
1 3/4″	TWN1.75	6″	0.025″	100′	50′	n/a	5′	n/a	Silver	7.40
2″	TWN2.00	6 1/2″	0.025″	100′	50′	n/a	5′	n/a	Silver	8.40
2 1/4″	TWN2.25	7 1/2″	0.025″	100′	50′	n/a	5′	n/a	Silver	9.50

THERMA SHIELD

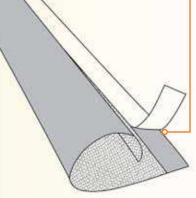
Reflective Aluminized Surface Bonded To Insulating Fiberglass

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.

Colors Available: Silver (SV)

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







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THERMASHIELD WRAP



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 Cycle

Fiberglass Layer Worn Through - Material Destroyed 1,300 Test Cycles



Rating Non Combustible / Will not Burn

Chemical Resistance

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		В.		
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4=More Affected 1=No Effect 2=Little Effect 5=Severely Affected 2_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	
Strong Acids	2
Strong Oxidants	2
Esters/Keytones	1
UV Light	1
Petroleum	1
Fungus ASTM G-21	1
Halogen Free	Yes
RoHS	Yes
SVHC	

Melt Point ASTM D-2117 2,048°F (1,120°C)

THERMA

Maximum Continuous Mil-I-23053 491°F (255°C)

Minimum Continuous -76°F (-60°C)

2100 TEMPERATURES 500 1200 660 OPERATING 30.0*

SHIELD

PHYSICAL PROPERTIES

Monofilament Diameter ASTM D-204	NA
Flammability RatingNon	Combustible
Recommended Cutting	Scissor
Colors	1
Wall Thickness	025

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