

THERMASHIELD FLAT

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



Cut Cleanly
Scissors

Put-Ups

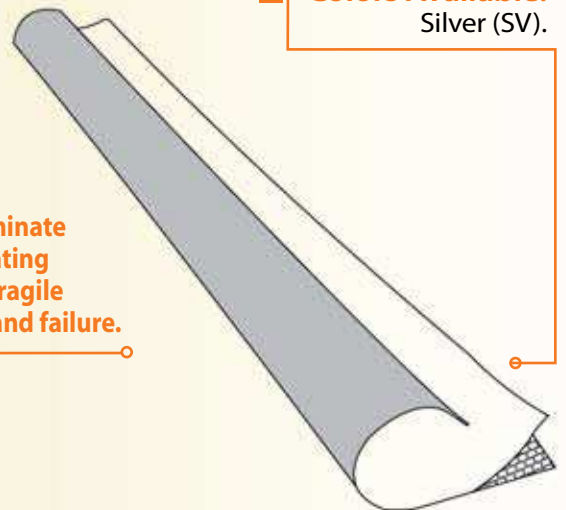
Nominal Size	Part #	Wall Thickness ±0.006"	Bulk Spool	Shop Spool	Retail	Clam	Bag	Available Colors	Lbs/100'
1"	TSN1.00	0.025"	200'	100'	50'	25'	10'	Silver	1.60
1 1/2"	TSN1.50	0.025"	200'	100'	50'	25'	10'	Silver	2.00
2"	TSN2.00	0.025"	200'	100'	50'	25'	10'	Silver	2.75
3"	TSN3.00	0.025"	200'	100'	50'	25'	10'	Silver	4.30
4"	TSN4.00	0.025"	200'	100'	50'	25'	10'	Silver	5.60
5"	TSN5.00	0.025"	200'	100'	50'	25'	10'	Silver	7.60
6"	TSN6.00	0.025"	100'	50'	25'	n/a	10'	Silver	9.20
7"	TSN7.00	0.025"	100'	50'	25'	n/a	10'	Silver	10.90
8"	TSN8.00	0.025"	100'	50'	25'	n/a	10'	Silver	12.70

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 FLAT (TSN) protects surfaces exposed to extreme heat with TSN. An aluminum laminated fiberglass sheet with a full coating of permanent, high temperature adhesive, applies directly to any clean surface. Ideal solution for protecting delicate electronic component boxes mounted close to engines or other heat sources. When applied, the aluminum laminate reflects heat away and the insulating fiberglass backing protects the fragile contents from thermal damage and failure.

- 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.

Material
 Aluminum Laminated Fiberglass

Grade
 TSN

Wall Thickness
 .025"

Drawing Number
 TF001TS-WD





THERMASHIELD FLAT



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

Pre-Test Weight
10,804.3 mg

Post-Test Weight
9,918.5 mg

Test End Loss Of Mass Point Of Destruction
885.8 mg



Rating _____
____ Non Combustible / Will not Burn



Chemical Resistance

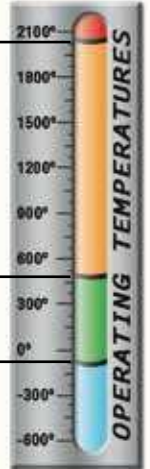
1=No Effect 4=More Affected
2=Little Effect 5=Severely Affected
3=Affected

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/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)

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

Minimum Continuous
-76°F (-60°C)



PHYSICAL PROPERTIES

Monofilament Diameter _____ NA
ASTM D-204
Flammability Rating _____ Non Combustible
Recommended Cutting _____ Scissor
Colors _____ 1
Wall Thickness _____ .025