Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of "Quality Parts,Customers Priority,Honest Operation,and Considerate Service",our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!

Contact us

THERMA SHIELD®
FLAT

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

Put-Ups

Nominal Size	Part #	Wall Thickness ±0.006"	Bulk Spool	Shop Spool	Available Colors	Lbs/ 100'
1"	TSN1.00SV	0.025"	250'	100'	Silver (SV)	1.60
1 1/2"	TSN1.50SV	0.025"	250'	100'	Silver (SV)	2.00
2"	TSN2.00SV	0.025"	250'	100'	Silver (SV)	2.75
3"	TSN3.00SV	0.025"	250'	100'	Silver (SV)	4.30
4"	TSN4.00SV	0.025"	250'	100'	Silver (SV)	5.60
5"	TSN5.00SV	0.025"	200'	100'	Silver (SV)	7.60
6"	TSN6.00SV	0.025"	100'	50'	Silver (SV)	9.20
6 7/8"	TSN6.88SV	0.025"	100'	50'	Silver (SV)	10.90

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.

Cut Cleanly
Scissors

Material
Aluminum Laminated Fiberglass

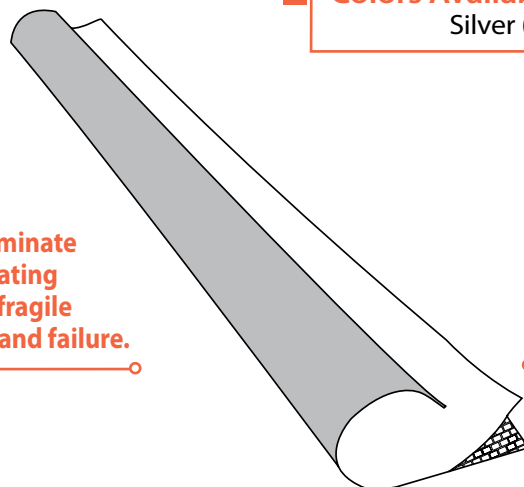**Grade**
TSN

Wall Thickness
.025"

Drawing Number
TF001TS-WD

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.

TECHFLEX
Braided Sleeving Products
www.techflex.com
800.323.5140 • 973.300.9242 • fax: 973.300.9409
104 Demarest Road • Sparta, NJ 07871

HALOGEN FREE **FAR-25**

RoHS Compliant

THERMA SHIELD ®
FLAT

⚙ ABRASION   🔥 FLAMMABILITY

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/Ketones	1
UV Light	1
Petroleum	1
Fungus *ASTM G-21*	1
Halogen Free	Yes
RoHS	Yes

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)

www.techflex.com
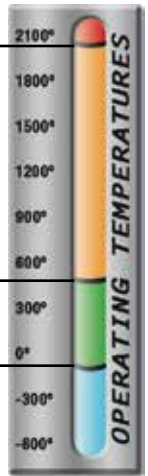
🔍 PHYSICAL PROPERTIES

Flammability Rating _ Non Combustible
Recommended Cutting _____ Scissor
Colors _____ 1
Wall Thickness _____ .025