

Excellent Integrated System Limited

Stocking Distributor

Click to view price, real time Inventory, Delivery & Lifecycle Information:

[Techflex](#)
[TSN1.00SV](#)

For any questions, you can email us directly:

sales@integrated-circuit.com



**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 # | Wall Thickness ±0.006" | Put-Ups | | Available Colors | Lbs/100' |
|--------------|-----------|---------------------------|------------|------------|------------------|----------|
| | | | Bulk Spool | Shop Spool | | |
| 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



**Cut Cleanly
 Scissors**

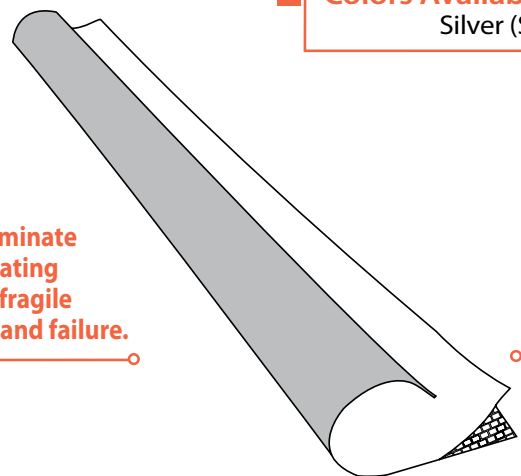
THERMASHIELD creates a buffer between your wires, hoses and cables and the high temperature environments they are required to perform in. ThermaShield is engineered by laminating an aluminum heat shield to a layer of strong fiberglass insulation. This system provides superior protection from radiant 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.

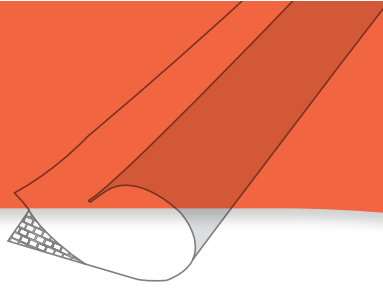
| | |
|-----------------------|-------------------------------|
| Material | Aluminum Laminated Fiberglass |
| Grade | TSN |
| Wall Thickness | .025" |
| Drawing Number | TF001TS-WD |

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.



**EXTREME
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ABRASION FLAMMABILITY

Abrasion Resistance
Very High

Rating _____ Non Combustible
Will not burn

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

CHEMICAL RESISTANCE

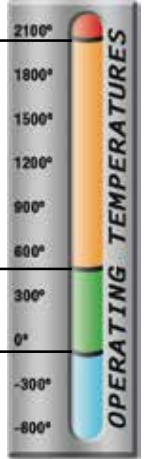
1=No Effect 4=More Affected
 2=Little Effect 5=Severely Affected
 3=Affected

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)



PHYSICAL PROPERTIES

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