

EXTREME
TEMPERATURE

ThermaShield

Reflective
Aluminized Surface
Bonded to Insulating
Fiberglass in 4 Styles

TUBE

CONVOLUTED

ThermaShield creates a thermal buffer between your wires, hoses and cables and the high temperature environments surrounding them.

ThermaShield is engineered by laminating an aluminized metallic heat shield to a layer of strong, tightly braided fiberglass insulation. This system provides superior protection from radiant heat by reflecting it away from sensitive electronics, wiring and hoses.

The four styles of ThermaShield; Tube, Convoluted, Wrap and Flat provide a full range of solutions for virtually any application. The Wrap and Flat products use a very aggressive, high temperature adhesive that eliminates the need for high-temp mylar tape or other adhesive.

ThermaShield products will endure temperatures up to 1,200°F without delaminating, turning brittle or suffering adhesive failure.

They are ideal in any situation where protection from radiant heat is a primary concern.

ThermaShield helps keep high performance engines running efficiently.



THERMA SHIELD TUBE

Nominal Size	Part #	Wall Thickness $\pm 0.006''$	Standard Spool Put-Ups		Available Colors	Lbs/100'
			Bulk Spool	Shop Spool		
1/2"	TTN0.50SV	.025"	250'	100'	Silver (SV)	2.55
5/8"	TTN0.63SV	.025"	250'	100'	Silver (SV)	3.00
3/4"	TTN0.75SV	.025"	250'	100'	Silver (SV)	3.45
7/8"	TTN0.88SV	.025"	250'	100'	Silver (SV)	4.10
1"	TTN1.00SV	.025"	250'	100'	Silver (SV)	4.50
1 1/4"	TTN1.25SV	.025"	250'	100'	Silver (SV)	5.40
1 1/2"	TTN1.50SV	.025"	250'	100'	Silver (SV)	6.20
1 3/4"	TTN1.75SV	.025"	100'	50'	Silver (SV)	7.40
2"	TTN2.00SV	.025"	100'	50'	Silver (SV)	8.70
2 1/2"	TTN2.50SV	.025"	100'	50'	Silver (SV)	10.10

800 323-5140
www.techflex.com



THERMA SHIELD

ThermaShield

WRAP

FLAT

THERMA SHIELD CONVOLUTED

Nominal Size	Part #	Wall Thickness ±0.005"	4' Pcs. Put-Ups				Available Colors	Lbs/10Pcs.
			Bulk Box	Box 8x8	Box 6x6	Box 4x4		
1/2"	TCN0.50SV	.045"	250	70	40	25	Silver (SV)	1.2
5/8"	TCN0.63SV	.045"	150	60	35	20	Silver (SV)	1.5
3/4"	TCN0.75SV	.045"	125	50	30	15	Silver (SV)	1.8
1"	TCN1.00SV	.045"	88	30	20	9	Silver (SV)	2.1
1 1/4"	TCN1.25SV	.045"	63	20	10	6	Silver (SV)	2.3

- Cuts Easily with Scissors
- Reflects Radiant Heat
- Insulates Delicate Wires & Components
- Resists Gasoline and Engine Chemicals

THERMA SHIELD WRAP

Nominal Size	Part #	Sheet Width	Wall Thickness ±0.008"	Standard Spool Put-Ups		Available Colors	Lbs/100'
				Bulk Spool	Shop Spool		
1/2"	TWN0.50SV	1 13/16"	.025"	200'	100'	Silver (SV)	2.60
3/4"	TWN0.75SV	2 1/2"	.025"	200'	100'	Silver (SV)	4.00
1"	TWN1.00SV	3 3/8"	.025"	200'	100'	Silver (SV)	5.10
1 1/4"	TWN1.25SV	4 1/4"	.025"	200'	100'	Silver (SV)	5.70
1 1/2"	TWN1.50SV	5"	.025"	200'	100'	Silver (SV)	6.50
1 3/4"	TWN1.75SV	5 13/16"	.025"	100'	50'	Silver (SV)	7.40
2"	TWN2.00SV	6 11/16"	.025"	100'	50'	Silver (SV)	8.40
2 1/4"	TWN2.25SV	7 3/8"	.025"	100'	50'	Silver (SV)	9.50



ThermaShield Flat conforms and adheres to irregular shapes.

THERMA SHIELD FLAT

Nominal Size	Part #	Wall Thickness ±0.006"	Standard Spool Put-Ups		Available Colors	Lbs/100'
			Bulk Spool	Shop Spool		
1"	TSN1.00SV	.025"	200'	100'	Silver (SV)	1.60
1 1/2"	TSN1.50SV	.025"	200'	100'	Silver (SV)	2.00
2"	TSN2.00SV	.025"	200'	100'	Silver (SV)	2.75
3"	TSN3.00SV	.025"	200'	100'	Silver (SV)	4.30
4"	TSN4.00SV	.025"	200'	100'	Silver (SV)	5.60
5"	TSN5.00SV	.025"	200'	100'	Silver (SV)	7.60
6"	TSN6.00SV	.025"	100'	50'	Silver (SV)	9.20
7"	TSN7.00SV	.025"	100'	50'	Silver (SV)	10.90
8"	TSN8.00SV	.025"	100'	50'	Silver (SV)	12.70



Techflex ThermaShield and a competitor's similar product were placed in the same electrical test oven for one hour at 626°F (330°C). Note the burning and delamination of the fiberglass interior of the Brand "X" product. Even the metallic shroud suffered a degree of burning and brittleness that did not occur on the ThermaShield sample.

