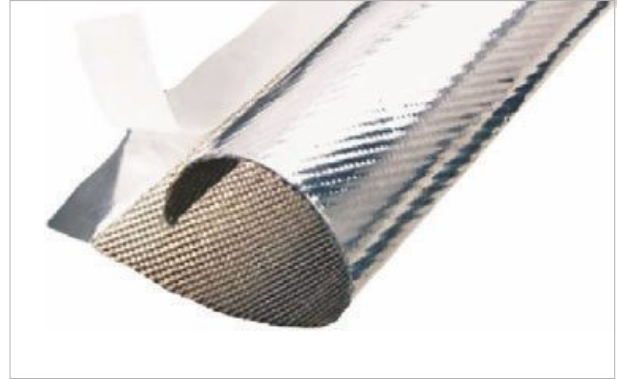


Thermal shield creates a buffer between your wires, hoses, cables and the high temperature environments they are required to perform in. It is engineered by laminating an aluminum heat shield to a layer of strong fiberglass insulation. This system provides superior protection from radiant heat by reflecting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

When component disassembly isn't an option, MTW 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, providing maximum protection and allowing a snug fit around odd-shaped connectors and terminations.



- Economical and easy to install
- Cuts easily with scissors
- Reflects radiant heat
- Insulates delicate wires and components
- Resists gasoline and engine chemicals
- Colour: Silver (SV)



TYPE	COLOUR
MTW 0.75	SV
NW	

	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)



Order Number	Nominal width	Sheet Width		Wall Thickness +/-0.08mm		Weight		Standard Spool Put-Ups	
	(NW)	(mm)	(in)	(mm)	(in)	Kg/100m	Lbs/100'	(M)	(F)
MTW0.50	1/2"	46	1.81	0.6	0.025"	3.86	2.60	30	100
MTW0.75	3/4"	63.5	2.50	0.6	0.025"	5.94	4.00	30	100
MTW1.00	1"	85.7	3.37	0.6	0.025"	7.58	5.10	30	100
MTW1.25	1 1/4"	108	4.25	0.6	0.025"	8.47	5.70	30	100
MTW1.50	1 1/2"	127	5.00	0.6	0.025"	9.66	6.50	30	100
MTW1.75	1 3/4"	147.6	5.81	0.6	0.025"	11.00	7.40	15	50
MTW2.00	2"	169.9	6.69	0.6	0.025"	12.48	8.40	15	50
MTW2.25	2 1/4"	187.3	7.37	0.6	0.025"	14.12	9.50	15	50

Abrasion Test Data

- 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 cycles**
- Fiberglass layer worn through
Material destroyed: **1,300 test cycles**

Physical Properties

- Monofilament diameter: **N/A**
- Flammability rating: **Non Combustible**
- Recommended cutting: **Scissor**
- Colours: **1**
- Wall thickness: **.025**

MTW - Chemical Resistance Index

	5 Severely Affected	4 More Affected	3 Affected	2 Little Effect	1 No Effect
Aromatic Solvents					
Aliphatic Solvents					
Chlorinated Solvents					
Weak Bases					
Salts					
Strong Bases					
Salt Water 0-S-1926					
Hydraulic Fluid MIL-H-5606					

	5 Severely Affected	4 More Affected	3 Affected	2 Little Effect	1 No Effect
Lube Oil MIL-L-7808					
De-Icing Fluid MIL-A-8243					
Strong Acids					
Strong Oxidants					
Esters/Ketones					
UV Light					
Petroleum					
Fungus ASTM G-21					