



**THERMAL PROTECTION PRODUCTS FOR INDUSTRY**  
*Since 1982*



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***Temptec* insulation blankets are made of the highest quality materials. Major construction components meet military Specification MIL-I-24244 Type 11 and Coast Guard Specifications for incombustible material #164.009.**

***Temptec* blankets are asbestos free and fire resistant.**

***Temptec* blankets are lightweight, reusable and easily installed.**

**Standard *Temptec* blankets are made of 32oz. Cover, 1" thick mat and stainless steel mesh sewn with Kevlar thread and have lagging hooks for installation. Our material is first computer cut then the three components that make up the blanket are brought together and assembled at the sewing table. Many types of material and attaching hardware are available for example, silicone coated fabrics from 17oz or 32oz. in almost any color or foil covered fiberglass for chrome like look. Mat can be from ½" to 2 or more inches thick. Attaching hardware such as snaps, buckles "D" rings and draw cords to mention just a few. Let our 35 years in power generation help you and your customer meet your heat related needs.**

### Silicone Impregnated Fiberglass Fabric 32OZ.

This material conforms to the following specifications:  
 1 Mil-C-20079 G with G Filament fiber.  
 2 Mil-I-24244  
 3 UL 91 Flame out 1 second.  
 4 UL 723 Flame spread 0 Smoke development index 10.  
 5 ASTM E84  
 6 UBC 42-1  
 7 NFPA 255

#### Typical Properties

Maximum temperature	500 °F
Minimum temperature	-80 °F
Color	Silver-gray
Type weave	8 Harness satin
Type fiberglass	E Glass
Weight	32 Oz./Sq. Yd.
Thickness	.032 Inches

### Silicone Impregnated Fiberglass Fabric 17OZ.

This material conforms to the following specifications:  
 1 Mil-C-20079 G with G Filament fiber.  
 2 Mil-I-24244  
 3 UL 91 Flame out 1 second.  
 4 UL 723 Flame spread 0 Smoke development index 10.  
 5 ASTM E84  
 6 UBC 42-1  
 7 NFPA 255

#### Typical Properties

Maximum temperature	500 °F
Minimum temperature	-80 °F
Color	Silver-gray
Type weave	4 Harness satin
Type fiberglass	E Glass
Weight	17 Oz. /Sq. Yd.
Thickness	.017 Inches

### Mat Insulation

Specifications:  
 Mat insulation is composed of 100% type "E" glass fibers needled together into mat form. It is non-respirable, incombustible, asbestos free and contains no resinous or inorganic binders. Conforms to Mil-I-24244, USCG subpart 164.009 and ASTM E84 industry standards.

#### Typical Properties

Melting point	1523 °F
Maximum temperature	1200 °F
Continuous temperature	1000 °F
Thickness	½" and 1"

#### Thermal Conductivity "K" Factor

Temperature	"K"
BTU/Inch/Hr./Ft <sup>2</sup> /°F	
300 °F	0.40
500 °F	0.50
700 °F	0.65

### Stainless Steel Knitted Mesh

#### Typical Properties

Construction	304 Stainless Steel
Maximum temperature	1500 °F
Wire Diameter	.008"
Density	60#
Style	Flat

### Kevlar Thread

Specifications:  
 Kevlar® is one of the strongest, heat resistant, and stretch resistant threads available. This makes it a great choice for high stress applications.

#### Typical Properties

Color	Black
Breaking strength	35 Pounds
Maximum temperature	800 °F
Stretch percent factor	1%
Nonflammable	