



## TTT-SIL-1800

### 1 DESCRIPTION

TTT-SIL-1800 is a medium weight silica fabric, tan in color, with superior physical and thermal characteristics compared to traditional silica fabrics. ANSI/FM 4950 approved for welding curtains. This material can meet MIL C24576A Type 1.

### 2 APPLICATIONS

TTT-SIL-1800 is intended for use in any application where high heat resistance and thermal protection is required, such as furnace curtains, stress relieving blankets, welding blankets and other heat shielding applications.

### 3 ADVANTAGES

The unique properties of TTT-SIL-1800 make it an extremely cost-effective alternative to regular silica fabrics with superior physical properties, such as abrasion resistance and breaking strength, as a bonus. The vermiculite coating that is on TTT-Sil performs a dual task. Initially it reduces the ability of the fabric to fray making it more workable through the cutting and sewing processes. The even greater duty of the vermiculite coating is to dissipate the heat across the fabric rather than allow heat from molten slag to fester in a single point allowing greater protection from molten slag going through the fabric. These factors along with the higher melting point of the amorphous silica allow TTT-SIL-1800 to be the fabric of choice where high heat resistance is desired.

### 4 PROPERTY DATA

Characteristics:	Method:	English Values:	Metric Values:
Weight	ASTM-D-3776	18.0 oz/sy +/- 10%	612 g/m +/- 10%
Thickness	ASTM-D-1777	.030" +/- 10%	0.762 mm +/- 10%
Breaking Strength	ASTM-D-579	Warp: 250 lbs/in Fill: 100 lbs/in	Warp: 44.6 kg/cm Fill: 17.9 kg/cm
Temperature Resistance	N/A	Continuous Use: 1800°F Melting: 3000°F	Continuous Use: 982°C Melting: 1649°C
Base Fabric and Weave	N/A	Linear Shrinkage: 5% at 1800° F	5% at 982.22°C
Color:	N/A	Silica/8 Harness Satin	
Abrasion Resistance	MIL-C-24576A	Light Tan/Vermiculite	
Width	N/A	20 Cycles/minute	
Length	N/A	35 inches	88.9 centimeters
		50 yards	45.72 meters

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