



TTT-SIL-3600

1 DESCRIPTION

TTT-SIL-3600 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-3600 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-3600 make it an extremely cost-effective alternative to regular silica fabrics with superior physical properties, such as abrasion resistance and breaking strength. The vermiculite coating that is on TTT-SIL-3600 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-3600 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	34.0 oz/sy +/- 10%	1156 g/m +/- 10%
Thickness	ASTM-D-1777	.0050" +/- 10%	1.270 mm +/- 10%
Breaking Strength	ASTM-D-579	Warp: 200 lbs/in Fill: 100 lbs/in	Warp: 35.71 kg/cm Fill: 17.86 kg/cm
Temperature Resistance	N/A	Continuous Use: 1800°F Melting: 3000° F Linear Shrinkage: 5% at 1800° F	Continuous Use: 982°C Melting: 1649°C 5% at 982.22 °C
Base Fabric and Weave	N/A	Silica/8 Harness Satin	
Color:	N/A	Light Tan/Vermiculite	
Abrasion Resistance	MIL-C-24576A	20 Cycles/minute	
Width	N/A	35 inches	88.9 centimeters
Length	N/A	50 yards	45.72 meters

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