



# Thermal Tech & Temp

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### TTT-SIL | 3600

#### 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.

#### 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.

#### 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, 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 to be the fabric of choice where high heat resistance is desired.

### PROPERTY DATA | 3600

CHARACTERISTICS	METHOD	VALUES	
		ENGLISH	METRIC
WEIGHT	ASTM-D-3776	34.0 oz/sy ± 10%	1156 g/m <sup>2</sup> ± 10%
THICKNESS	ASTM-D-1777	.0050" ± 10%	1.270 mm ± 10%
BREAKING STRENGTH	ASTM-D-579	Warp- 200 lbs/in Fill- 100 lbs/in	35.71 kg/cm 17.86 kg/cm
TEMPERATURE RESISTANCE		Continuous Use: 1800 F Melt Temperature: 3000 F Linear Shrinkage: 5% @ 1800 F	Cont.982 C, Melt 1649 C
BASE FABRIC AND WEAVE		Silica/8 Harness Satin	
Silicon dioxide Content		>96%	
COLOR		Light Tan/Vermiculite	
ABRASION RESISTANCE	MIL-C-24576A	20 Cycles min. Warp 100 Fill 100	
WIDTH - 35" (88.9 cm)		LENGTH - 50 yds (45.72 meters)	

DATA SHEET: 13093 FM REV: K DATE: 5/8/19 \*All values are nominal unless otherwise specified. All statements herein are expressions of opinion that we believe to be accurate and reliable, but are presented without guaranty or responsibility on our part. Statements concerning possible use of our products are not intended as recommendations for their use alone or in combination with any materials or elements to infringe any patents. No patent warranty of any kind, express or implied, is made or intended.