DATA SHEET

THERMAL DATA SHEET
THERMAL TECH & TEMP INC.

SATIN WEAVE SILICA FABRIC

1 DESCRIPTION

Thermal Tech & Temp's Satin Weave Silica Fabric is made up of at least 96% silica. The cloth is fireproof and can withstand temperatures of up to 1800°F (982°C). Additionally, it has been engineered with an abrasion-resistant finish. The cloth comes in two grades: 18oz and 36oz. The 18oz grade is recommended for light welding and spark protection, while the 36oz grade is recommended for heavyweight close proximity horizontal welding protection. Both grades of material are designed to withstand welding sparks and molten metal splatter, providing protection for personnel and equipment.

2 APPLICATIONS

Thermal Tech & Temp's Satin Weave Silica Fabric is intended for use in any application where high heat resistance and thermal protection are required, such as furnace curtains, stress-relieving blankets, welding blankets, and other heat shielding applications.

3 ADVANTAGES

Thermal Tech & Temp's Satin Weave Silica Fabric possesses unique properties, which make it a highly cost-effective alternative to low-cost welding blankets made with fiberglass fabrics that deteriorate after one use and cause irritation and itch. Our Satin Weave Silica Fabric provides excellent protection against heavy sparks, splatters, and molten slag.

4 PROPERTY DATA

Type	Unit	Lightweight 18oz	Heavyweight 36oz
Silica	%	≥96	≥96
Weave Construction	Harness Satin	8	12
Nominal Weight	oz/yd | lb/ft²	18 | .125	36 | .25
Nominal Thickness	inches | mm	0.030 | 0.76	0.054 | 1.37
Width	inches | cm	36 | 91.4	36 | 91.4
Length	ft | m	150 | 45.72	150 | 45.72
Color	–	Natural Fabric Color	Natural Fabric Color
Alternate sizing, weight, or forms	Standard | Metric	Contact Us	Contact Us
Temperature Resistance	Fahrenheit	Continuous Use: 1800°F Melting: 3000°F	Continuous Use: 1800°F Melting: 3000°F

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