

## Mid-Mountain Materials SILTEX® 18 Amorphous Silica Textile

Category : Ceramic , Glass , Glass Fiber , Oxide , Silicon Oxide , Other Engineering Material , Composite Fibers

### Material Notes:

Description: SILTEX is a family of high performance textile fabric that is comprised of high purity, high strength amorphous silica fibers, woven into a strong, flexible fabric designed for use where severe temperature conditions exist. SILTEX 18 is manufactured to a finished weight of 18 ounces per square yard. Its unique properties make it well suited for protection of personnel and equipment against moderate welding splatter sparks, grinding of metals, etc. SILTEX 18 is also excellent for use in engineered thermal insulation systems designed for severe temperatures, such as Turbine Covers, Exhaust Silencer Covers, etc. The amorphous silica fibers that make up all SILTEX products are unaffected by most chemicals, except strong alkalis, hydrofluoric acid or sodium. All SILTEX fabrics are available in standard and pre-shrunk (fired) versions; Fabrics are available with several coating/treatment options that enhance certain properties of the product in order to meet required performance characteristics. Information provided by Mid-Mountain Materials.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Mid-Mountain-Materials-SILTEX-18-Amorphous-Silica-Textile.php](http://www.lookpolymers.com/polymer_Mid-Mountain-Materials-SILTEX-18-Amorphous-Silica-Textile.php)

Physical Properties	Metric	English	Comments
Density	0.8286 g/cc	0.02993 lb/in <sup>3</sup>	Calculated from weight of 18 oz/sy
Thickness	737 microns	29.0 mil	nom

Thermal Properties	Metric	English	Comments
Melting Point	1700 °C	3100 °F	
Maximum Service Temperature, Air	982 °C	1800 °F	Continuous
	1260 °C	2300 °F	Intermittent use
Shrinkage	8.00 - 12.0 % @Temperature 982 °C	8.00 - 12.0 % @Temperature 1800 °F	Linear
	<= 3.00 % @Temperature 704 °C, Time 1800 sec	<= 3.00 % @Temperature 1300 °F, Time 0.500 hour	Linear

Descriptive Properties	Value	Comments
Break Strength	Min 200 x 150 lb	nom, warp x fill (1" x 4")
Construction	Woven fabric, 8 harness satin weave	
Material	Amorphous Silica 96-99%	
Packaging	50 ly per roll or 300 ly master roll	

<b>Descriptive Properties</b>	<b>Value</b>	<b>Comments</b>
Width, standard	36 in	

## Contact Songhan Plastic Technology Co.,Ltd.

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