



ALPHA

engineered composites

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ALPHA STYLE

AlphaQuartz® Sewing Thread AQ-18-9751 HS

DESCRIPTION

AlphaQuartz® Sewing Thread AQ-18-9751 HS offers excellent high temperature characteristics. Made from exceptionally high purity (99.98% SiO₂) quartz fibers produced from natural pure quartz crystals. This natural mineral, when drawn under extreme heat, produces a very fine fiber (9 microns in diameter) with high flexibility, combined with high strength, high purity, low coefficient of expansion and excellent resistance to extremely high temperatures. Coated with 18% Teflon (coating #9751) for improved abrasion resistance.

APPLICATIONS

AlphaQuartz® Sewing Thread AQ-18-9751 HS is widely used for sewing or wrapping insulation blankets, shrouds, blast curtains and separators. Used in both single and multi-needle sewing machines.

PROPERTY DATA

AlphaQuartz® Sewing Thread AQ-18-9751 HS

CHARACTERISTIC

TYPICAL VALUES

ENGLISH

METRIC

APPROXIMATE DIAMETER	0.017"	0.43 mm
TENSILE STRENGTH	25.2 lbf	11.2 daN
NOMINAL LINEAR DENSITY	250 TEX	
BREAKING STRENGTH	32.0 lbf	14.0 daN
YIELD PER POUND or KM	1950 LY	4 KM
TYPICAL BINDER CONENT	20%	

STORAGE

AlphaQuartz® Sewing Thread AQ-18-9751 HS properties are guaranteed for 36 months when properly stored indoors, protected from direct sunlight exposure and in its original packaging. Store preferably at less than 35°C, avoiding humidity consistently higher than 80%.

DATA SHEET: 15066 REV: A DATE: 10/15/24

I specialize in marine, aerospace, automotive and commercial fabrics for thermal and industrial applications

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