

Ceramic Textiles and Composites

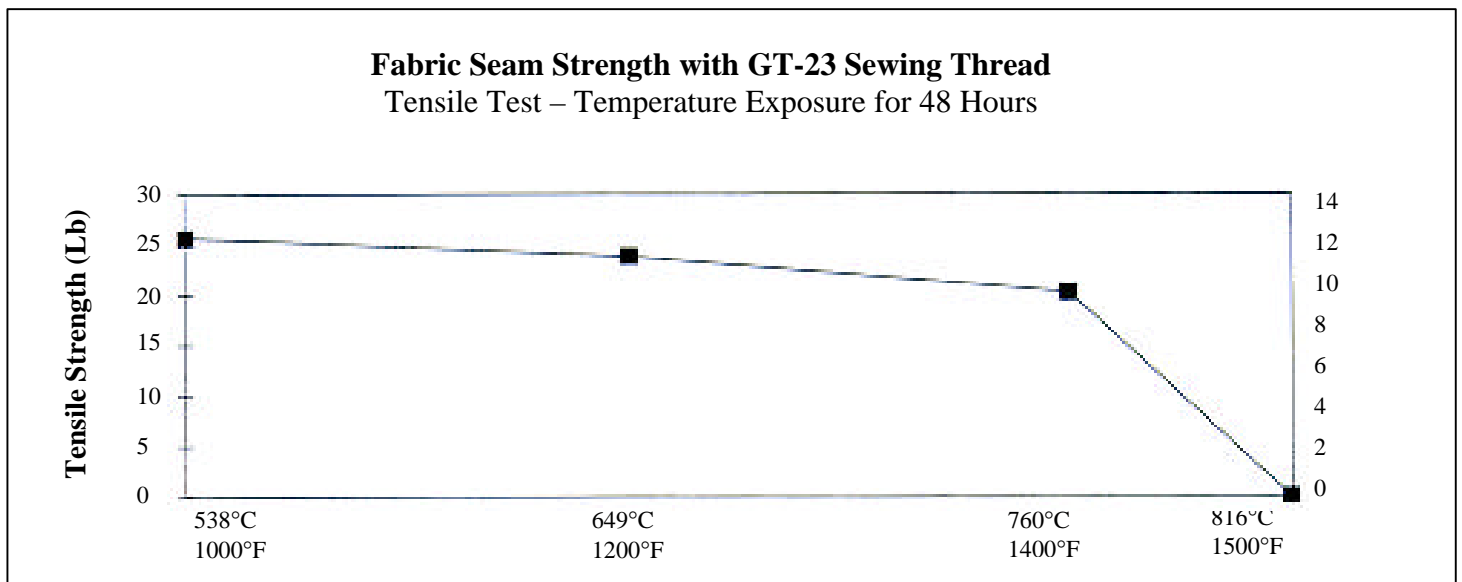
3M™ GT-23 Sewing Thread

Preliminary Data Sheet XN-620

3M™ GT-23 Sewing Thread is a recently developed product (XN-620) made from high temperature continuous glass fiber. 3M laboratory testing shows this product maintains strength up to 1400°F (760°C) in 48 hour heat exposure seam strength testing. GT-23 sewing thread can be used on most shuttle bobbin and rotary hook industrial sewing machines which have the capability of handling large threads of 0.023 inch diameter. GT-23 sewing thread utilizes a heat fugitive PTFE coating to improve sewability. This coating is designed to decompose at elevated application temperatures.

Typical Sewing Thread Properties

		Style GT-23	
Diameter		0.022 in	0,56 mm
Approximate Yield		1260 yd/lb	2540 m/kg
Breaking Strength	With Sizing	47 lb	21,3 kg
	Heat Cleaned	27 lb	12,2 kg
Knot Strength	With Sizing	19 lb	8,6 kg
	Heat Cleaned	14 lb	6,4 kg
Seam Strength	With Sizing	117 lb	20,9 kg
	Heat Cleaned	26 lb	4,6 kg



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Important Notice to Purchaser: Since this product is of recent development, its range of applications and performance characteristics are not fully known. See MSDS for hazardous properties.

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