

# *PTFE Coated “E-Glass” Fiberglass Sewing Thread*

*W.F. Lake Corp.* manufactures it's PTFE coated “E-Glass” fiberglass sewing thread from continuous “E” filament yarns, resulting in a strong, chemical resistant textile sewing thread. Our uniform PTFE coating completely encapsulates the thread, enhancing resistance to build-up of contaminates and repelling attack by most acids and alkalis. Our smooth PTFE coating enhances the flexibility of the fiberglass yarn, making it suitable for many industrial applications and minimizing the tendency to kink, strip-back or break like other very high temperature threads. This is our least expensive high temperature thread and is ideally suited to static applications (safety spray shields, gaskets, heat shields etc...). Where continuous flexing and bending is required, we recommend our “Beta / BC” R753-series product. The user should perform tests to determine suitability for their application.

***Features***

- High Temperature Resistance
- High Strength
- Uniform PTFE coating
- Glass Fiber Substrate
- Good Flexibility

***Benefits***

- Chemical Resistance
- Minimal Buildup of Contaminants
- Good Sewability
- Excellent Thermal Shock Resistance
- Minimal strip-back and untwisting

***Product Data***

Product #	R783-12	R783-18	R783--24	R783-27
Thread Style	----- Continuous Filament “E- Glass” Fiber -----			
Coating Type	----- PTFE, Sintered -----			
Coating %	12	12	12	12
Yield (yds/lb)	3000	2000	1500	1050
Tensile (lbs)	12	18	25	30
Diameter (nom)	0.015”	0.018”	0.021”	0.024”
Final Twist	“Z”	“Z”	“Z”	“Z”
Color	----- Natural /Tan -----			
<b>Serving Package:</b> King Spool <b>Operating Temp:</b> 550 deg. Continuous, 1000 deg. F. intermittent. <b>Approx. Net Wt.:</b> 2 lb/spool (others available)    (290 deg. C continuous), (540 deg. C intermittent) Available with high speed silicone thread lubricant applied in line. <b>All values are typical and should not be used for writing specifications.</b>				

*W.F. Lake Corp.*  
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1000 deg. Fahrenheit  
Intermittent



550 deg. Fahrenheit  
Continuous

***R783-24 meets  
Mil-C-20079 Type 3, Class 3***

***Applications:***

- High Temperature Textiles
- Safety Spray Shields
- Braided Sleeving
- Insulation Jackets
- Thermal Insulation Pads
- High Temperature Gaskets
- Kiln Seals
- Fire Resistant Composites
- Welding Blankets
- Heat Shields



## W.F. LAKE

High Performance PTFE & Silicone Coated Products

*W.F. Lake Corp. manufactures high performance PTFE and Silicone coated products designed for extreme operating environments. Our non-stick, temperature and chemical resistant materials are uniquely suited for a wide variety of specialized industrial applications in a number of diverse industries. By combining our broad based in-house processing and converting capabilities, we are able to offer you creatively engineered products especially suited to your application. Give us a call to discuss your material needs... we're ready to help!*

***We manufacture the industry's widest range of  
PTFE Coated Fiberglass products !***



**PTFE Coated ...**

*Fabrics*

*Adhesive Tapes*

*S-2 Glass Fabrics*

*Kevlar\* Fabrics*

*High Temperature Belting*

*Braided Draw Cords*

*Braided Lacing Tapes*

*Yarns*

*E-Glass Sewing Thread*

*S-2 Glass Sewing Thread (1400 deg. F)*

*Kevlar\* Sewing Thread*

*Quartz Sewing Threads (2000 deg F !!!)*

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