

# ASTM D4030 PTFE Coated Fiberglass Sewing Thread

*W.F. Lake Corp.* manufactures it's PTFE coated Beta (BC) fiberglass sewing thread from continuous filament beta yarns, making it among the strongest and most chemically resistant textile sewing thread on the market today. Our uniform PTFE coating completely encapsulates the thread, enhancing resistance to build-up of contaminants and repelling attack by most acids and alkalis. Our smooth PTFE coating enhances the flexibility of this very fine fiberglass yarn, making it especially suitable for most industrial sewing machines and minimizing the tendency to kink, strip-back or break like many other very high temperature threads. This is our most popular, versatile and cost effective high temperature thread.

## MEETS ASTM D4030/D4030M-15

Table 3 Physical Properties of Typical Continuous Filament Glass Sewing Threads.

### Product Data

ASTM / W.F. Lake:	E-12 / R753-12	E-18 / R753--18	E-24 / R753-24
Thread Style	----- Continuous Filament Beta (ECBC) Glass Fiber -----		
Coating Type	----- PTFE, Sintered -----		
Coating % (min)	12	12	12
Yield yd/lb / tex	3550 / 140	2330 / 213	1730 / 287
Break Strength, min.	12 lbs / 54N	18 lbs / 80N	25 lbs / 111N
Diameter (nom)	0.014"	0.017"	0.020"
Final Twist	"Z"	"Z"	"Z"
Color	----- Natural /Tan -----		
Serving Package: King Spool		Operating Temp: 1000 deg. F. (540 deg. C.)	
Approx. Net Wt.: 2 lb/spool (others available)		(PTFE Coating to 600 deg. F)	
Available with high speed silicone thread lubricant applied in line.			
All values are typical and should not be used for writing specifications.			

*W.F. Lake Corp.*  
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www.wflake.com

1000 deg. Fahrenheit



540 deg. Celsius

Also available with  
Stainless Steel twisted in !  
See "R755-Series"

*R753-24 meets  
Mil-C-20079 Type 3, Class 3*

### Applications:

- High Temperature Textiles
- Safety Spray Shields
- Filter Bags
- 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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