



# W.F. LAKE

High Performance PTFE & Silicone Coated Products

## PTFE Coated Para-Aramid\*/ Stainless Steel Thread

W.F. Lake Corp. manufactures its PTFE coated ParaAramid\*/ Stainless Steel Wire Sewing Thread from individually coated, continuous filament para-aramid yarns and fine stainless steel wire, making one of the strongest high temperature sewing threads on the market today. Each individual para-aramid yarn is completely coated with black pigmented PTFE prior to twisting. Once they are twisted together, the thread is again coated with black pigmented PTFE, dramatically improving UV resistance and contaminate resistance while reducing friction. In addition, the smooth coating improves handling characteristics and reduces the tendency of uncoated Kevlar\* thread to fray, abrade and clog sewing equipment.

### Features

High Temperature  
High Strength  
Individually PTFE Coated Input Yarns  
Uniform PTFE Final Coat  
Light Weight  
Balanced Twist  
3 Ends Stainless Steel Wire

### Benefits

Chemical Resistance  
Minimal Buildup of contaminants  
Easy Sewing vs. other high temperature threads  
Enhanced UV Resistance  
Excellent Thermal Cycling  
Highly Flexible  
Fatigue Resistance

### Product Data

|                                       |  |
|---------------------------------------|--|
| <b>Product Number</b>                 | <b>R721-73BLK</b>  |
| <b>Base Thread Style</b>              | Para-aramid (Kevlar*) with Stainless Steel<br>(Individually PTFE coated continuous filament yarns) |
| <b>Stainless Steel Wire</b>           | 3 ends stainless steel wire  |
| <b>Coating Type</b>                   | Black PTFE, Sintered   |
| <b>Coating Percentage (PTFE nom.)</b> | 30%  |
| <b>Yield (yards/lb nom.)</b>          | 3,000  |
| <b>Tensile Strength (lbs. min.)</b>   | 25   |
| <b>Diameter (nom. inch)</b>           | 0.014"   |
| <b>Final Twist</b>                    | "Z"  |
| <b>Color</b>                          | ----- Black -----  |

Serving Package: King Spool

Approx. Net Wt.: 1 lb/spool (others available)

Available with high speed silicone thread lubricant applied in line.

All values are typical and should not be used for writing specifications. \*Kevlar Reg. DuPont

Operating Temp: Kevlar to 400 deg. F.

(Stainless Steel wire to over 1000 deg. F.)

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### Applications:

Safety Spray Shields  
High Temperature Textiles  
Multi-Layer Insulation  
Filter Media  
Welding Curtains  
Kiln Seals  
High Temperature Gaskets

### Important Processing Information.

W.F. Lake Corp. PTFE coated fiberglass and aramid sewing threads are coated during manufacture with sizing's or finishes, including PTFE, to serve as aids in textile processing. When these products are heated above the continuous operating temperature of PTFE (550 degrees F, 287 degrees C), adequate ventilation and / or personal protective equipment must be used in accordance with site-specific exposure assessment as vapors can be emitted and may be hazardous if inhaled. See Safety Data Sheet or contact W.F. Lake Corp. for more information.