

PTFE Coated Aramid Thread with Stainless Steel

Marshall Space Flight Center

Multi-Layer Insulation Guidelines

Table 4.2.1: Threads for non-exposed MLI seams

R721-70 Reinforced Kevlar* Thread
Polyimide thread with stainless steel wire reinforcement and PTFE (Teflon* by DuPont) coating.

Features

- High Temperature
- High Strength
- Uniform PTFE coating
- Light Weight
- Balanced Twist
- Soft Stainless Wire (R721-70)
- Available with up to 10 Ends of Stainless Steel Wire.

Benefits

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

Product Data

Product Number	R721-70
Thread Style	----- Kevlar* ----- (continuous filament)
Stainless Steel Wire	1 end
Coating Type	----- PTFE, Sintered -----
Coating Percentage (nom.)	12
Yield (yards/lb nom.)	4500
Tensile Strength (lbs.min.)	20.5
Diameter (nom. inch)	0.010"
Final Twist	"Z"
Color	----- Natural (yellow) -----

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. *Reg. Chemours /DuPont

Operating Temp: Kevlar to 500 deg. F.
 (Stainless Steel wire to 1000 deg. F.)

W.F. Lake Corp.
 P.O. Box 4214
 65 Park Road
 Glens Falls, NY 12804
 Customer Service: (800) 428-1162
 Tel: (518) 798-9934
 Fax: (518) 798-9936

www.wflake.com



R721-70

Additional Applications:

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



High Performance PTFE & Silicone Coated Products

*Kevlar Reg. DuPont

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 !!!)

W.F. LAKE CORP., 65 Park Road, Glens Falls, NY 12804

Tel: (518) 798-9934 . Tel: (800) 428-1162. Fax: (518) 798-9936. E-mail: info@wflake.com

www.wflake.com



High Performance PTFE & Silicone Coated Products