**PTFE Coated S2 Glass Fiber / Stainless Steel Insert Sewing Thread**

*W.F. Lake Corp.* manufactures its PTFE coated S-2 glass fiber sewing thread from high purity, very fine continuous filament yarns. Our SGT/SS-series thread reduces seam failure due to thermal shock & exposure, offers excellent tensile strength even at 1400 deg. Fahrenheit and has a stainless steel wire twisted right into the thread! Our uniform PTFE coating completely encapsulates the thread, enhancing resistance to buildup of contaminants and repelling attack by most acids and alkalis. W.F. Lake’s sewing thread will not support combustion, will not burn and is UV stable. In addition, the smooth coating improves handling characteristics, abrasion resistance and sewability.

**Features**
- Extreme Temperature Resistance
- High Tensile Strength
- Good Knot Breaking Strength
- Uniform PTFE coating
- Stainless Wire Twisted In
- High Temperature Stability

**Benefits**
- Chemical Resistance
- Minimal Buildup of Contaminants
- Excellent Sewability
- Thermal Shock Resistance
- Flexibility to 1400 deg. F
- Minimize strip-back and untwisting

**Product Data**

<table>
<thead>
<tr>
<th>Product Number</th>
<th>SGT-12/SS</th>
<th>SGT-18/SS</th>
<th>SGT-24/SS</th>
<th>SGT-27/SS</th>
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</thead>
<tbody>
<tr>
<td>Thread Style</td>
<td>- S-2 Glass Fiber with integral Stainless Steel wire -</td>
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<tr>
<td>Coating Type</td>
<td>- PTFE, Sintered -</td>
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<tr>
<td>Coating Percentage</td>
<td>15</td>
<td>15</td>
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<tr>
<td>Yield (yards/lb nom.)</td>
<td>2950</td>
<td>1975</td>
<td>1475</td>
<td>920</td>
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<tr>
<td>Tensile Strength (lbs)</td>
<td>20</td>
<td>25</td>
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<td>40</td>
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<tr>
<td>Diameter (nom. inches)</td>
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<td>0.019</td>
<td>0.023</td>
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<td>Final Twist</td>
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<td>“Z”</td>
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<tr>
<td>Color</td>
<td>Natural /Tan</td>
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</tbody>
</table>

**Applications:**
- High Temperature Textiles
- Thermal Insulation Pads
- Gasketing
- Kiln Seals
- Fire Resistant Composites
- Welding Curtains
- Safety Spray Shields

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

1400 deg. Fahrenheit!  
760 deg. Celsius!  
With STAINLESS STEEL Twisted into the thread itself! Inconel Wire also available ... consult factory

Available with high speed silicone thread lubricant applied in line. Check with the factory for availability and possible minimum quantities.
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  
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