Polyester-Filled Polytetrafluoroethylene (SP-5)

**SP-5** is a polyester-filled PTFE compound. It exhibits superior heat and wear resistance as compared with Virgin PTFE and graphite-filled compounds. This low friction compound is exceptionally well-suited for rotary service equipment applications. Since **SP-5** will not wear metal mating surfaces, it is recommended for low to high speed applications running against soft metals. **SP-5** is suggested for use in applications with service temperatures ranging from -320° F to +475° F (-196° C to +246° C).

**Chemical Compatibility**
**SP-5** is compatible with most fluids and gases.

**FDA Compliance**
**SP-5** is not FDA compliant. Request Report 50-640 for Bal Seal’s definition of FDA compliant.

**Mechanical Properties**

<table>
<thead>
<tr>
<th>Property</th>
<th>ASTM D638</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tensile Strength (typical)</td>
<td></td>
<td>3000 PSI</td>
</tr>
<tr>
<td>Elongation (typical)</td>
<td></td>
<td>350%</td>
</tr>
</tbody>
</table>

**Color**
Light tan to brown (color variations may occur during processing)

**Advantages of SP-5**
- Suitable for rotary and reciprocating applications
- Low wear rate, high temperature resistance
- Minimal wear to soft metal countersurface
- Non-conductive

For more information, contact a technical sales representative, or e-mail us at sales@balseal.com.