Expanded PTFE Joint Sealant

Construction:
Style PTFE joint sealant is produced by expanding 100% virgin PTFE into a highly fibrillated structure which exhibits characteristics significantly different than conventional PTFE. The expanded PTFE is much more flexible than regular PTFE and thus conforms easily to irregular and rough surfaces. In addition, the expanded material is easier to compress and exhibits excellent resistance to creep and cold flow. This style of joint sealant is supplied as a continuous tape with a self-adhesive backing strip to facilitate easy installation.

Application:
Style PTFE joint sealant is soft and marshmallow-like, allowing it to readily conform to and seal flanges with irregular and damaged surfaces. Because it is composed of 100% PTFE, it can handle virtually all chemicals in the 0 – 14 pH range and will not contaminate flow media. It has no smell or taste. It is neither contaminating nor toxic and it fulfills FDA 21 CFR 177.1550 Perfluorocarbon Regulations. The versatility of this style is finding new applications everyday in the process industries and the OEM market.

This style is recommended for the following sealing applications:

- Steel pipe flanges
- Glass-lined pipe flanges
- Fiberglass pipe flanges
- Plastic pipe flanges
- Fume ducts
- Concrete lids
- Heat exchangers
- Fiberglass reinforced vessels
- Pump housing flanges
- Compressor housing flanges
- Turbine cases
- Manhole and handhole covers
- Ceramic joints
- Ventilation ducts
- Hydraulic and pneumatic systems
- Water supply systems

Typical Physical Properties:

<table>
<thead>
<tr>
<th>Temperature</th>
<th>Minimum Service: -450°F (-268°C)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Short Term Max.: 600°F (315°C)</td>
<td></td>
</tr>
<tr>
<td>Pressure</td>
<td>Vacuum up to: 2900 psi (200 bar)</td>
</tr>
<tr>
<td>Color</td>
<td>White</td>
</tr>
<tr>
<td>pH</td>
<td>0-14*</td>
</tr>
</tbody>
</table>

*except molten alkalis and elemental fluorine at high temperature and pressure

<table>
<thead>
<tr>
<th>Width (in)</th>
<th>1/8</th>
<th>3/16</th>
<th>1/4</th>
<th>3/8</th>
<th>1/2</th>
<th>5/8</th>
<th>3/4</th>
<th>1</th>
</tr>
</thead>
<tbody>
<tr>
<td>Thickness (in)</td>
<td>.059</td>
<td>.079</td>
<td>.098</td>
<td>.118</td>
<td>.158</td>
<td>.236</td>
<td>.276</td>
<td>.197</td>
</tr>
<tr>
<td>Spool Length (ft)</td>
<td>50, 100, 500</td>
<td>75, 150, 750</td>
<td>50, 100, 500</td>
<td>25, 50, 250</td>
<td>16, 30, 150</td>
<td>15, 30, 160</td>
<td>15, 30, 100</td>
<td>15, 30, 75</td>
</tr>
</tbody>
</table>

* other sizes are available upon request

Approvals:

- BAM
- WRC
- FDA (incl. adhesive backing)
- DVGW
- BOC
- TA-Luft
- AREVA