APPLICATION:
DURLON® 9400 gasket material is a high performance filled PTFE designed for use in piping and equipment in chemical, pharmaceutical, food and other general industrial applications where resistance to highly aggressive chemicals (including hydrofluoric acid) is required. Style 9400 conforms to FDA requirements.

It can also be used as gasketing for anhydrous hydrogen fluoride (AHF) in railroad tankcars and in plants as a material of construction where barium sulfate filled PTFE may not prove suitable.

COMPOSITION:
DURLON® 9400 is made of pure PTFE resins combined with carbon fillers homogeneously dispersed throughout the compound. DURLON® 9400 does not exhibit the cold flow problems associated with virgin PTFE yet has excellent sealability, flexibility, non-sticking and cutting characteristics. DURLON® 9400 also demonstrates good electrical conducting properties.

TYPICAL PROPERTIES:

<table>
<thead>
<tr>
<th>Color:</th>
<th>Black, branded</th>
</tr>
</thead>
<tbody>
<tr>
<td>Filler:</td>
<td>Carbon</td>
</tr>
<tr>
<td>Temperature Range:</td>
<td>-350 to 550°F (-212 to 288°C)</td>
</tr>
<tr>
<td>Pressure, max:</td>
<td>1500 psig (103 bar)</td>
</tr>
<tr>
<td>Fluid Services:</td>
<td>Aqueous and anhydrous Hydrogen Fluoride, Steam, Oils, Caustics, Alcohols, Liquid &amp; Gaseous Oxygen, Refrigerants</td>
</tr>
<tr>
<td>Density:</td>
<td>2.1 g/cm³ (135 lbs./ft³)</td>
</tr>
<tr>
<td>Tensile Strength, ASTM F152:</td>
<td>2,100 psi (14.5 MPa)</td>
</tr>
<tr>
<td>Compressibility, ASTM F36:</td>
<td>5 to 12%</td>
</tr>
<tr>
<td>Recovery ASTM F36:</td>
<td>40%</td>
</tr>
<tr>
<td>Sealability ASTM F37 (Fuel A):</td>
<td>0.01 mL/hr</td>
</tr>
<tr>
<td>Sealability ASTM F37 (Nitrogen):</td>
<td>0.02 mL/hr</td>
</tr>
<tr>
<td>Volume Resistivity, ASTM D991:</td>
<td>610 ohm-cm (for electrically conductive Products)</td>
</tr>
<tr>
<td>Dielectric Breakdown, ASTM D149:</td>
<td>1 kV/mm (33 V/mil)</td>
</tr>
<tr>
<td>DIN 3535 Gas Permeability:</td>
<td>0.01 cc/min</td>
</tr>
<tr>
<td>Creep Relaxation ASTM F38:</td>
<td>30%</td>
</tr>
<tr>
<td>Flexibility, ASTM F147:</td>
<td>5x</td>
</tr>
</tbody>
</table>

Note: ASTM properties based on 1/16" sheet thickness except ASTM F38, which is based on 1/32" sheet thickness. This is a general guide only and should not be the sole means of accepting or rejecting this material. The data listed here falls within the normal range of product properties but should not be used to establish specification limits nor used alone as the basis of design.

*For applications above Class 300, consult your representative. Durlon® 9000 and 9000N Filled PTFE

PROPOSED ASME GASKET FACTORS:

<table>
<thead>
<tr>
<th>THICKNESS</th>
<th>1/16&quot;</th>
<th>1/8&quot;</th>
</tr>
</thead>
<tbody>
<tr>
<td>ASME Proposed Gb psi (MPa)</td>
<td>1701 (11.7)</td>
<td>1412 (9.7)</td>
</tr>
<tr>
<td>a</td>
<td>0.173</td>
<td>0.164</td>
</tr>
<tr>
<td>Gs psi (MPa)</td>
<td>99 (0.7)</td>
<td>248 (1.7)</td>
</tr>
</tbody>
</table>
AVAILABLE SHEET SIZES:

<table>
<thead>
<tr>
<th>NOMINAL THICKNESS</th>
<th>SHEET SIZES inches</th>
<th>ORDER CODE</th>
<th>APPROX. WT/ SHEET lbs (kg)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1/32&quot; 0.8mm</td>
<td>60 x 60</td>
<td>TC08-060-060</td>
<td>9 (4)</td>
</tr>
<tr>
<td>1/16&quot; 1.5mm</td>
<td>60 x 60</td>
<td>TC15-060-060</td>
<td>17 (7.7)</td>
</tr>
<tr>
<td>1/8&quot; 3.0mm</td>
<td>60 x 60</td>
<td>TC30-060-060</td>
<td>34 (15.4)</td>
</tr>
</tbody>
</table>

Note: 60” x 120” (1.5m x 3m) sheet sizes available on special order, other custom lengths available on request.

Warning: Durlon gasket materials should never be recommended when both the temperature and the pressure are at the maximums listed. Properties and applications shown are typical. No application should be undertaken by anyone without independent study and evaluation for suitability. Never use more than one gasket in one flange joint, and never reuse a gasket. Improper use or gasket selection could cause property damage and/or serious personal injury. The data reported is a compilation of field testing, field service reports and/or in-house testing. While the utmost care has gone into publishing the information contained herein, we assume no responsibility for errors. The information and specifications contained in this website are subject to change without notice. This revision cancels and obsoletes all previous editions.

GASKET RESOURCES INC.

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