DuraSwell was engineered for demanding applications that require superior sealability, conformity to flange surfaces, and recovery. This gasket material is designed to react by a controlled swell when in contact with oils and fuels which assists to increase gasket stress in applications that require increased gasket loading that may be previously limited due to insufficient bolting or flange design factors. Applications include fuel systems, pulp and paper tall oils, oils, coolants and heavy duty equipment applications such as oil pan covers, gear case and flywheel housings.

**Anti-Stick Properties:**
Much engineering effort has gone into improving the anti-stick release agents of all compressed Durlon® products in this area over decades of R&D. All Durlon® compressed gasket materials have passed the MIL-G- 24696B Navy Adhesion Test. (366°F/48hrs).

**Cutability:**
All Durlon® product are known for superior cutability and flexibility resulting in clean cuts and perfect fit.

**Gasket Factors**

<table>
<thead>
<tr>
<th>1/16&quot;</th>
<th>6.9</th>
</tr>
</thead>
<tbody>
<tr>
<td>Y, psi (MPa)</td>
<td>2412</td>
</tr>
<tr>
<td>G,psi (MPa)</td>
<td>95 (0.655)</td>
</tr>
<tr>
<td>a</td>
<td>0.609</td>
</tr>
<tr>
<td>G, psi (MPa)</td>
<td>4 (0.027)</td>
</tr>
</tbody>
</table>

**Color**
Off-White

**Fiber System**
Synthetic

**Binder**
Proprietary Blend SBR

**Temperature**

| Min | -100°F (-73°C) |
| Max | 650°F (344°C) |
| Continuous, Max | 400°F (205°C) |

**Pressure**

| Max, bar (psi) | 69 (1000) |
| Continuous, bar (psi) | 34.5 (500) |

**Density, g/cc (lbs/ft³)**
1.65 (103)

**Compressibility, %**
7-17

**Recovery, %**
50

**Creep Relaxation, %**
<30

**Tensile Strength, MPa (psi)**
14.8 (2,100)

**Fluid Resistance, ASTM F146**
IRM 903 Oil 5hrs at 300°F
Thickness Increase, % <75
Weight Increase, % <50

**ASTM Oil #1 5hrs at 70°F**
Thickness Increase, % 15-30
Weight Increase, % <30

**Nitrogen Sealability, cc/min**
ASTM 2378
0.01

**Flexibility**
ASTM F147
4x

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Note: ASTM properties are 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 specifications limits nor used alone as the basis of design. For applications above Class 300, contact our technical department.