SAS-1112
Select-a-Seal®/Rubber Edged Composite Gasket

Description
SAS-1112 combines a high density fiber carrier with a polyacrylic edge sealing material for oil and air sealing applications. The carrier is available in 0.5mm gauge only, and is specifically formulated for maximum bolt load retention in applications with continuous service temperatures up to 175°C (350°F). It can tolerate a maximum temperature of 232°C (450°F) for up to 1 hour.

Specification Properties

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
<th>Method</th>
</tr>
</thead>
<tbody>
<tr>
<td>Carrier Material</td>
<td>SAS-11</td>
<td></td>
</tr>
<tr>
<td>General Description of Carrier</td>
<td>High density, fully cured nitrile butadiene bound material with synthetic fiber blend. Specifically formulated for maximum bolt load retention.</td>
<td></td>
</tr>
<tr>
<td>Caliper, mm(inch)</td>
<td>0.5 (0.020)</td>
<td>ASTM F 104</td>
</tr>
<tr>
<td>Density, g/cc(lb/cu.ft)</td>
<td>1.44 (90) (min.)</td>
<td>ASTM F 1315</td>
</tr>
<tr>
<td>Compressibility, % (at 34.5MPa)</td>
<td>10 - 18</td>
<td>ASTM F 36</td>
</tr>
<tr>
<td>Recovery, %</td>
<td>55 (min.)</td>
<td>ASTM F 36</td>
</tr>
<tr>
<td>Tensile Strength, AMD, MPa(psi)</td>
<td>6.21 (900) (min.)</td>
<td>ASTM F 152</td>
</tr>
<tr>
<td>Polymer Edge</td>
<td>SAS-12</td>
<td></td>
</tr>
<tr>
<td>General Description of Polymer</td>
<td>Polyacrylic Blend, generally used for oil applications.</td>
<td></td>
</tr>
<tr>
<td>ASTM Classification</td>
<td>M1EB604</td>
<td>ASTM D 2000</td>
</tr>
<tr>
<td>Temperature Rating, °C(°F)</td>
<td>175 (350)</td>
<td>ASTM D 2000</td>
</tr>
<tr>
<td>Durometer Hardness, Type A</td>
<td>55 - 65</td>
<td>ASTM D 2240</td>
</tr>
<tr>
<td>Tensile Strength, Initial, MPa(psi)</td>
<td>4 (580) (min.)</td>
<td>ASTM D 412</td>
</tr>
<tr>
<td>Edge Height</td>
<td>Specified on part drawing.</td>
<td>ISI M10.4X102</td>
</tr>
</tbody>
</table>

Remarks and Related Documents
Carrier specification values determined by the test methods required for ASTM F-104, Type 7 materials. Carrier is available with release coating per ISI 123316. Carrier caliper and release coating, and polymer edge height are specified on part drawing.

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