SAS-121
Select-a-Seal®/Rubber Edged Composite Gasket

Description
SAS-121 combines a medium density fiber carrier with a styrene butadiene rubber sealing bead. It is used for sealing water and coolant mixtures in applications that require the carrier to conform to irregular flange surfaces. It is intended for continuous service at temperatures up to 125°C (257°F).

Specification Properties

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
<th>Method</th>
</tr>
</thead>
<tbody>
<tr>
<td>Carrier Material</td>
<td>SAS-1</td>
<td></td>
</tr>
<tr>
<td>General Description of Carrier</td>
<td>Medium density, nitrile butadiene bound material with reinforced cellulose fiber.</td>
<td></td>
</tr>
<tr>
<td>Caliper, mm(inch)</td>
<td>0.8, 1.0 (0.031, 0.039)</td>
<td>ASTM F 104</td>
</tr>
<tr>
<td>Density, g/cclb/cu.ft</td>
<td>1.20 (75) (min.)</td>
<td>ASTM F 1315</td>
</tr>
<tr>
<td>Compressibility, % (at 34.5MPa)</td>
<td>15 - 30</td>
<td>ASTM F 36</td>
</tr>
<tr>
<td>Recovery, %</td>
<td>35 (min.)</td>
<td>ASTM F 36</td>
</tr>
<tr>
<td>Tensile Strength, AMD, MPa( psi)</td>
<td>11.03 (1600) (min.)</td>
<td>ASTM F 152</td>
</tr>
<tr>
<td>Polymer Edge</td>
<td>SAS-21</td>
<td></td>
</tr>
<tr>
<td>General Description of Polymer</td>
<td>Styrene Butadiene Rubber Blend, generally used for water and coolant applications.</td>
<td></td>
</tr>
<tr>
<td>ASTM Classification</td>
<td>M1CA503</td>
<td>ASTM D 2000</td>
</tr>
<tr>
<td>Temperature Rating, °C(°F)</td>
<td>125 (257)</td>
<td>ASTM D 2000</td>
</tr>
<tr>
<td>Durometer Hardness, Type A</td>
<td>45 - 55</td>
<td>ASTM D 2240</td>
</tr>
<tr>
<td>Tensile Strength, Initial, MPa( psi)</td>
<td>3 (435) (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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