MATERIAL: PERFLUOROELASTOMER 60 +/- 5 SHORE

Low sealing force applications in semiconductor thermal processes. Low outgassing properties at elevated temperatures.

COLOUR: WHITE

GENERAL SERVICE TEMPERATURE RANGE: -5°C to +300°C continuous (+320°C Peak)

<table>
<thead>
<tr>
<th>PHYSICAL PROPERTIES</th>
<th>TEST METHOD</th>
<th>TEST RESULT</th>
</tr>
</thead>
<tbody>
<tr>
<td>HARDNESS SHORE A</td>
<td>ASTM D2240</td>
<td>63</td>
</tr>
<tr>
<td>TENSILE STRENGTH, MPa</td>
<td>ASTM D412</td>
<td>19.1</td>
</tr>
<tr>
<td>ELONGATION, %</td>
<td>ASTM D412</td>
<td>240</td>
</tr>
<tr>
<td>MODULUS 100%</td>
<td>ASTM D412</td>
<td>3.2</td>
</tr>
</tbody>
</table>

COMPRESSION SET
70 hrs @ 200°C %
ASTM D395/B 25

LOW TEMPERATURE FLEXIBILITY
TR-10°C
ASTM D1329 -1

AIR AGEING, 70 hrs @ 300°C
HARDNESS CHANGE, SHORE A
ASTM D573 0
TENSILE STRENGTH CHANGE, %
ASTM D573 -15
ELONGATION CHANGE, %
ASTM D573 +48

FLUID RESISTANCE OVERVIEW
VOLUME CHANGE, %
ACIDS <10
VOLUME CHANGE, %
KETONES <10
VOLUME CHANGE, %
ESTERS <10
VOLUME CHANGE, %
ETHERS <10
VOLUME CHANGE, %
ALKALIS <20
VOLUME CHANGE, %
AMINES (RT) <10
VOLUME CHANGE, %
WATER AND STEAM <10

The above test results are based on test slabs / buttons. The results from the actual parts may be different.

Issue Date: 26.03.2014