MATERIAL: PERFLUOROELASTOMER 70 +/- 5 SHORE

Good mechanical properties, low particulate generation and low weight loss in plasmas. Specific cleaning and packaging in ultra-pure environment.

COLOUR: IVORY

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>70</td>
</tr>
<tr>
<td>TENSILE STRENGTH, MPa</td>
<td>ASTM D412</td>
<td>17.3</td>
</tr>
<tr>
<td>ELONGATION, %</td>
<td>ASTM D412</td>
<td>235</td>
</tr>
<tr>
<td>MODULUS 100%</td>
<td>ASTM D412</td>
<td>5.7</td>
</tr>
</tbody>
</table>

COMPRESSION SET
70hrs @ 200°C %                  ASTM D395/B              27

LOW TEMPERATURE FLEXIBILITY
TR - 10°C                        ASTM D1329              +4

HEAT AGEING, 70hrs @ 275°C
HARDNESS CHANGE, SHORE A         ASTM D573                -1
TENSILE STRENGTH CHANGE, %        ASTM D573                -1
ELONGATION CHANGE, %              ASTM D573                +20

NITRIC ACID 65%, 168hrs @ 80°C
HARDNESS CHANGE, SHORE A         ASTM D471                -9
TENSILE STRENGTH CHANGE, %        ASTM D471                -27
ELONGATION CHANGE, %              ASTM D471                +4
VOLUME CHANGE, %                  ASTM D471                +9

HYDROFLUORIC ACID 49%, IMMERSION, 720hrs @ 70°C
HARDNESS CHANGE, SHORE A         ASTM D471                0
TENSILE STRENGTH CHANGE, %        ASTM D471                +5
ELONGATION CHANGE, %              ASTM D471                -23
VOLUME CHANGE, %                  ASTM D471                0

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

Issue Date: 18.12.2013