MATERIAL: PERFLUOROELASTOMER 90 +/- 5 SHORE

Outstanding at high temperatures, use with aggressive chemicals, steam resistance and low compression set at high temperatures.

COLOUR: BLACK

GENERAL SERVICE TEMPERATURE RANGE: -10°C to +300°C continuous (+330°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>92</td>
</tr>
<tr>
<td>TENSILE STRENGTH, MPa</td>
<td>ASTM D412</td>
<td>18</td>
</tr>
<tr>
<td>ELONGATION, %</td>
<td>ASTM D412</td>
<td>110</td>
</tr>
<tr>
<td>MODULUS 100%</td>
<td>ASTM D412</td>
<td>16</td>
</tr>
</tbody>
</table>

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

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

AIR AGEING, 70 hrs @ 300°C
HARDNESS CHANGE, SHORE A
ASTM D573 -2
TENSILE STRENGTH CHANGE, %
ASTM D573 -20
ELONGATION CHANGE, %
ASTM D573 +40

CHLORIDRIC ACID 37% IMMERSION, 70 hrs @ 80°C
HARDNESS CHANGE, SHORE A
ASTM D471 -1
TENSILE STRENGTH CHANGE, %
ASTM D471 -4
ELONGATION CHANGE, %
ASTM D471 -15
VOLUME CHANGE, %
ASTM D471 +1.6

POTASSIUM HYDROXIDE 50% IMMERSION, 168 hrs @ 125°C
HARDNESS CHANGE, SHORE A
ASTM D471 -2
TENSILE STRENGTH CHANGE, %
ASTM D471 -10
ELONGATION CHANGE, %
ASTM D471 -15
VOLUME CHANGE, %
ASTM D471 +0.4

FLUID RESISTANCE OVERVIEW
VOLUME CHANGE, %
AMINES (RT) <10
VOLUME CHANGE, %
KETONES <10
VOLUME CHANGE, %
ESTERS <10
VOLUME CHANGE, %
ETHERS <10
VOLUME CHANGE, %
SOUR GAS <10

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

Issue Date: 17.12.2014