MATERIAL: PERFLUOROELASTOMER 65 +/- 5 SHORE

Developed for Semicon, dry and wet applications, this is a high purity compound without filler. Outstanding resistance to aggressive chemicals and high temperature conditions.

COLOUR: TRANSLUCENT BROWN

GENERAL SERVICE TEMPERATURE RANGE: -20°C to +275°C continuous use (290°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>64</td>
</tr>
<tr>
<td>TENSILE STRENGTH, N/mm²</td>
<td>ASTM D412</td>
<td>17.9</td>
</tr>
<tr>
<td>ELONGATION, %</td>
<td>ASTM D412</td>
<td>243</td>
</tr>
<tr>
<td>MODULUS 100%, N/mm²</td>
<td>ASTM D412</td>
<td>3.8</td>
</tr>
</tbody>
</table>

COMPRESSION SET
70 hrs @ 200°C %
ASTM D395/B 22

LOW TEMPERATURE FLEXIBILITY
TR-10°C
ASTM D1329 -2

AIR AGEING, 70 hrs @ 275°C
HARDNESS CHANGE, SHORE A
ASTM D573 +2
TENSILE STRENGTH CHANGE, %
ASTM D573 +1
ELONGATION CHANGE, %
ASTM D573 +25
CHANGE IN 100% MODULUS
ASTM D573 +3

GLACIAL ACETIC ACID, 336 hrs @ 100°C
HARDNESS CHANGE, SHORE A
ASTM D471 -100
TENSILE STRENGTH CHANGE, %
ASTM D471 -34
ELONGATION CHANGE, %
ASTM D471 -3
VOLUME CHANGE, %
ASTM D471 +6.7

HYDROCHLORIC ACID, 37%, 70 hrs @ 80°C
HARDNESS CHANGE, SHORE A
ASTM D471 -1
TENSILE STRENGTH CHANGE, %
ASTM D471 -2
ELONGATION CHANGE, %
ASTM D471 -2
VOLUME CHANGE, %
ASTM D471 +0.7

FLUID RESISTANCE OVERVIEW
VOLUME CHANGE, %
ACIDS <10
VOLUME CHANGE, %
ALKALIS <10
VOLUME CHANGE, %
ESTERS <10
VOLUME CHANGE, %
ETHERS <10
VOLUME CHANGE, %
KETONES <10

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

Issue Date: 14.04.2014