MATERIAL: EPDM 70 SHORE FDA USP CLASS VI WRAS COMPLIANT TO CFR 21 177-2600, NSF61, ACS CONFORMITY

This compound meet the criteria of the FDA, Title 21, Paragraph 177.2600, as a direct contact material with food and pharmaceutical product and also meets the requirements of the 3A Sanitary Standards. This compound has also been tested and certified by Toxikon Laboratory to be in compliance with the Criteria of the US Pharmacopeia, Class VI Biological Test for Plastics.

COLOUR: BLACK

GENERAL SERVICE TEMPERATURE RANGE: -40°C to +145°C

PHYSICAL PROPERTIES

<table>
<thead>
<tr>
<th>PROPERTY</th>
<th>METHOD</th>
<th>RESULT</th>
</tr>
</thead>
<tbody>
<tr>
<td>HARDNESS SHORE A, POINT</td>
<td>ASTM D2240</td>
<td>72</td>
</tr>
<tr>
<td>TENSILE STRENGTH, MPa</td>
<td>ASTM D412</td>
<td>13.5</td>
</tr>
<tr>
<td>ULTIMATE ELONGATION, %</td>
<td>ASTM D412</td>
<td>210</td>
</tr>
<tr>
<td>MODULUS 100%, MPa</td>
<td>ASTM D412</td>
<td>4</td>
</tr>
</tbody>
</table>

COMPRESSION SET

24 hrs @ 125°C, % ASTM D395 B 12

HEAT AGEING 70 hrs @ 125°C

HARDNESS CHANGE SHORE A, POINT ASTM D573 0
TENSILE STRENGTH CHANGE, % ASTM D573 +4
ULTIMATE ELONGATION CHANGE, % ASTM D573 +3

EA14 WATER RESISTANCE 70 hrs @ 100°C

-HARDNESS CHANGE POINT ASTM D471 -3
-TENSILE STRENGTH CHANGE, % ASTM D471 -5
-ULTIMATE ELONGATION CHANGE, % ASTM D471 0
-VOLUME CHANGE, % ASTM D471 +1

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

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