Data Sheet: N70 (Vulcanised Jointed Rings)

MATERIAL: NITRILE 70 SHORE FOR VULCANISED JOINTED RINGS

Excellent resistance to Mineral oil, Animal oil, Vegetable oil.

Low gas permeability. Good resistance to aliphatic hydrocarbons and water.

Satisfactory resistance to low temperature flexibility and low pressure steam. Poor weather resistance.

COLOUR: BLACK

GENERAL SERVICE TEMPERATURE RANGE: -30°C to +110°C continuous (+130°C peak)

<table>
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<tr>
<th>PHYSICAL PROPERTIES</th>
<th>REQUIREMENT</th>
<th>TEST RESULT</th>
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<tbody>
<tr>
<td>SPECIFIC GRAVITY</td>
<td>ASTM D257 TOLERANCE ±0.05</td>
<td>1.25</td>
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<tr>
<td>DUROMETER SHORE A</td>
<td>ASTM D2240 TOLERANCE ±5º</td>
<td>70</td>
</tr>
<tr>
<td>ELONGATION %</td>
<td>ASTM D412 TOLERANCE ±25%</td>
<td>300</td>
</tr>
<tr>
<td>TENSILE STRENGTH MPa</td>
<td>ASTM D412</td>
<td>12</td>
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</tbody>
</table>

COMPRESSON SET

22 hrs @ 200°C, %        ASTM D395 15%

FLUID IMMERSION, OIL NO 1, 70 hrs @ 100°C ASTM D471

VOLUME CHANGE %       +15
WEIGHT CHANGE %       +12
HARDNESS CHANGE, PTS  +12

FLUID IMMERSION, OIL NO 3, 70 hrs @ 100°C ASTM D471

VOLUME CHANGE %       +5
WEIGHT CHANGE %       +3
HARDNESS CHANGE, PTS  +3

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

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