Data Sheet: N70

MATERIAL: NITRILE 70 SHORE (NBR 70)

COLOUR: BLACK

GENERAL SERVICE TEMPERATURE RANGE:  -35°C to 110°C

SPECIFICATION: ASTM D2000 M2BG715 B14 A14 EO14 EO34 Z Z1

<table>
<thead>
<tr>
<th>PHYSICAL PROPERTIES</th>
<th>TEST METHOD</th>
<th>REQUIREMENT</th>
<th>TEST RESULT</th>
</tr>
</thead>
<tbody>
<tr>
<td>HARDNESS SHORE A</td>
<td>D 2240</td>
<td>70+/-5</td>
<td>66</td>
</tr>
<tr>
<td>TENSILE STRENGTH, MPa</td>
<td>D 412</td>
<td>10</td>
<td>14.0</td>
</tr>
<tr>
<td>ELONGATION, %</td>
<td>D 412</td>
<td>250</td>
<td>430</td>
</tr>
<tr>
<td>SPECIFIC GRAVITY</td>
<td>D 297</td>
<td></td>
<td>1.23</td>
</tr>
<tr>
<td>MODULUS 100% ELONGATION psi</td>
<td>D 412</td>
<td></td>
<td>348</td>
</tr>
<tr>
<td>CURE SYSTEM (Z)</td>
<td></td>
<td></td>
<td>SULPHUR</td>
</tr>
</tbody>
</table>

A14 HEAT AGEING 70hrs @ 100°C

| HARDNESS CHANGE, POINTS            | D 573       | +/-15           | +6          |
| TENSILE STRENGTH CHANGE, %         | D 573       | +/-30           | +4          |
| ELONGATION CHANGE, %               | D 573       | -50             | -11         |

B14 COMPRESSION SET, METHOD B

| 22hrs @ 100°C %                    | D 395       | 25              | 12          |

EA14 WATER RESISTANCE, 70hrs @ 100°C

| HARDNESS CHANGE, POINTS            | D 471       | +/-10           | -4          |
| VOLUME CHANGE, %                   | D 471       | +/-10           | +6          |

EO14 FLUID RESISTANCE, IRM 901 Oil. 70hrs @ 100°C

| HARDNESS CHANGE, POINTS            | D 471       | -5/+10          | +4          |
| TENSILE STRENGTH CHANGE, %         | D 471       | -25             | -8          |
| ELONGATION CHANGE, %               | D 471       | -45             | -7          |
| VOLUME CHANGE, %                   | D 471       | -10/+5          | -8          |

EO34 FLUID RESISTANCE, IRM 903 OIL. 70hrs @ 100°C

| HARDNESS CHANGE, POINTS            | D 471       | -10/+5          | -3          |
| TENSILE STRENGTH CHANGE, %         | D 471       | -45             | -24         |
| ELONGATION CHANGE, %               | D 471       | -45             | -13         |
| VOLUME CHANGE, %                   | D 471       | 0/+25           | +11         |

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