Marco Compound # B1017
70 Durometer, Black, UL-157 Approved Buna-N
Technical Datasheet

Common Names:
NBR (acrylonitrile butadiene rubber), Buna-N, Nitrile.

General Description:
Most commonly used general purpose o-ring material because of relative low cost, good mechanical properties, and basic resistance to many common lubricants. Specific physical and chemical resistances vary by compound formulation. B1017 is similar to Parker’s N0674-70 and Parco’s 4200-70 compounds

Features:
- Good/Excellent resistance to compression set and tear/abrasion.
- Good/Excellent resistance to many petroleum oils/greases, hydraulic fluids, alcohol, ambient water, silicone greases, Di-ester base lubricants and ethylene-glycol based fluids.

Limitations:
- Ozone, direct sunlight, UV, weathering, aromatic fuels, glycol-based brake fluids, polar solvents, non-flammable hydraulic fluids (HFD), aromatic/chlorinated hydrocarbons, ketones, esters, and aldehydes, 15 year shelf life.

Service Temperature:
-35 to 250°F

TYPICAL PHYSICAL PROPERTY

<table>
<thead>
<tr>
<th>ORIGINAL PROPERTIES</th>
<th>Typical Test Results</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hardness, Shore A</td>
<td>70</td>
</tr>
<tr>
<td>Color</td>
<td>Black</td>
</tr>
<tr>
<td>Tensile Strength, psi</td>
<td>2,300</td>
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<tr>
<td>Ultimate Elongation, %</td>
<td>325</td>
</tr>
<tr>
<td>Compression Set (22hrs % 212°F)</td>
<td>12%</td>
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</tbody>
</table>

Information within is believed to be accurate and reliable. However, Marco Rubber makes no warranty, expressed or implied, that parts supplied in this material will perform satisfactorily in specific applications. It’s the customer’s responsibility to evaluate prior to use.