Marco Compound # V1148
70 Durometer, Black, Metal Detectable, FDA Compliant FKM
Technical Datasheet

Common Names:
FKM, Fluoropolymer, Fluorel®, Viton®,

General Description:
FKM compounds are widely used in chemical, automotive, aerospace and industrial applications. These compounds offer excellent chemical and temperature resistance. There are many additional specialty compounds based on A, B, F, GLT, GFLT, LTFE and ETP polymer types. Please contact engineering@marcorubber.com for assistance in selecting a specialized compound when increased resistance to temperature, chemicals, or physical properties is required.

Features:
- Metal detectable
- FDA Compliant
- High temperature resistance.
- Excellent resistance to acids, fuels, mineral oils, greases, aliphatic, aromatic and chlorinated hydrocarbons, non-flammable hydraulic fluids (HFD) and many organic solvents and chemicals.
- Excellent resistance to aging and ozone.
- Low gas permeability, low compression set.

Limitations:
- Steam, hot water, amines, polar solvents, low molecular weight organic solvents and glycol-based brake fluids.

Service Temperature:
-15°C to 437°C F

TYPICAL PHYSICAL PROPERTIES

<table>
<thead>
<tr>
<th>ORIGINAL PROPERTIES</th>
<th>ASTM</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hardness, Shore A, ASTM D2240 (Z1=75+/-5)</td>
<td>D1415</td>
<td>74</td>
</tr>
<tr>
<td>Color</td>
<td></td>
<td>Black</td>
</tr>
<tr>
<td>Tensile Strength, MPa (psi), per ASTM D412</td>
<td>D412</td>
<td>9.0 (1,300)</td>
</tr>
<tr>
<td>Ultimate Elongation, %, per ASTM D412</td>
<td>D412</td>
<td>190</td>
</tr>
<tr>
<td>Specific gravity</td>
<td></td>
<td>1.94</td>
</tr>
<tr>
<td>Compression Set 22 Hrs @200°C, per ASTM D395</td>
<td>D395</td>
<td>28%</td>
</tr>
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</table>

Viton® is a registered trademark of Dupont. Fluorel® is a registered trademark of Dyneon.

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