MVQ detec
Methyl-vinyl-silikone rubber, blue, metal detectable

- MVQ wit foodstuff approval according FDA, recommended for approval according EU1935/2004, metal detectable
- Resistant to mineral oil, HFD-U and cold water
- Applicable for static seals and with limitations as rod, piston and wiper seals

<table>
<thead>
<tr>
<th>Properties</th>
<th>Value</th>
<th>Unit</th>
<th>DIN Standard</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hardness</td>
<td>88 ±5</td>
<td>Shore A</td>
<td>DIN ISO 7619-1</td>
</tr>
<tr>
<td>Density</td>
<td>1.670</td>
<td>g/cm³</td>
<td>DIN EN ISO 1183-1</td>
</tr>
<tr>
<td>100% Modulus</td>
<td>6.0</td>
<td>MPa</td>
<td>DIN 53504</td>
</tr>
<tr>
<td>Elongation at break</td>
<td>122 %</td>
<td>%</td>
<td>DIN 53504</td>
</tr>
<tr>
<td>Tensile strength</td>
<td>6.8</td>
<td>MPa</td>
<td>DIN 53504</td>
</tr>
<tr>
<td>Compression set 70°C/70h</td>
<td>- %</td>
<td></td>
<td>DIN ISO 815-1</td>
</tr>
<tr>
<td>Compression set 70°C/22h</td>
<td>26.0 %</td>
<td></td>
<td>DIN ISO 815-1</td>
</tr>
<tr>
<td>Compression set 175°C/22h</td>
<td>- %</td>
<td></td>
<td>DIN ISO 815-1</td>
</tr>
<tr>
<td>Rebound resilience</td>
<td>52 %</td>
<td></td>
<td>DIN ISO 4662:2017</td>
</tr>
<tr>
<td>Tear resistance</td>
<td>12.4 N/mm</td>
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<td>DIN ISO 34-1 A</td>
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<tr>
<td>Abrasion resistance</td>
<td>847 mm³</td>
<td></td>
<td>DIN ISO 4649 B</td>
</tr>
<tr>
<td>min. Service temperature</td>
<td>-60 °C</td>
<td></td>
<td></td>
</tr>
<tr>
<td>max. Service temperature</td>
<td>+210 °C</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Confirmation according FDA
Hereby we, Trygonal, Kunststoffinnovationen GmbH, confirm, that all single components used for our compound named «MVQ detec» are listed on Code of Federal Regulation of U.S. Food and Drug Administration (FDA), Rockville MD. They are mentioned under following subchapters: 21CFR 177.2600.

Confirmation according EU1935/2004
The confirmation according FDA mentioned above provides an approval according EU1935/2004. Due to unavoidable technical factors or due to the form of delivery of the elastomeric pre-materials traces of non-specified impurities could be included. A compulsory test should be applied to the final product.

Allowed for contact with foods. Not permitted for medical articles (implants)!