Nolato 8605 is particulary suited for economical mass production of extruded gaskets or molded parts for low cost EMI shielding components.

RoHS INFORMATION

Nolato 8605 fulfills the requirements set by the EU Directive 2002/95/EC (RoHS).

SAFETY INFORMATION

Nolato 8605 is according to EU directive classified as harmful, class Xn, due to the content of nickel. Nickel may cause sensitisation by skin contact. It is advisory to never touch the gasket without gloves. A material safety data sheet can be sent on request.

CUSTOMERS ALSO SEARCHED:

- form in place gasket
- liquid gaskets
- liquid gasket
gasket tack
form in place
conductive material
form in place gaskets
dispensed gaskets
dispensed gasket
form-in-place
Dispensed gasket
conductive gasket
liquid gasket
paste gasket
emi gasket
conductive silicone
glove
conductivity silicone
emi silicone
emi shielding gasket
formed gasket
electrically
conductive gasket
silver silicone
nickel graphite silicone

TYPICAL MATERIAL PROPERTIES

<table>
<thead>
<tr>
<th>PROPERTY</th>
<th>TEST PROCEDURE</th>
<th>UNIT</th>
<th>8605</th>
</tr>
</thead>
<tbody>
<tr>
<td>Base material</td>
<td></td>
<td></td>
<td>Silicone rubber</td>
</tr>
<tr>
<td>Conductive filler</td>
<td></td>
<td></td>
<td>Ag/Cu</td>
</tr>
<tr>
<td>Volume resistivity, as molded</td>
<td>MIL-DTL-83528C</td>
<td>mOhmcm</td>
<td>2</td>
</tr>
<tr>
<td>Volume resistivity, aged 48 h/156°C</td>
<td>MIL-DTL-83528C</td>
<td>mOhmcm</td>
<td>3</td>
</tr>
<tr>
<td>Volume resistivity, aged 1000h/125°C</td>
<td>MIL-DTL-83528C</td>
<td>mOhmcm</td>
<td>2</td>
</tr>
<tr>
<td>Average shielding effect, 0.3 – 20 GHz</td>
<td>Nolato cavity to cavity test method</td>
<td>dB</td>
<td>130</td>
</tr>
<tr>
<td>Density</td>
<td>ISO 2781</td>
<td>g/cm²</td>
<td>3.5</td>
</tr>
<tr>
<td>Hardness</td>
<td>ISO 7619</td>
<td>Shore A</td>
<td>78</td>
</tr>
<tr>
<td>Tensile strength¹</td>
<td>ISO 37</td>
<td>MPa</td>
<td>4.2</td>
</tr>
<tr>
<td>Elongation at break</td>
<td>ISO 37</td>
<td>%</td>
<td>190</td>
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<tr>
<td>Tear strength²</td>
<td>ISO 34-1C</td>
<td>N/mm</td>
<td>17</td>
</tr>
<tr>
<td>Compression set, 72 hours/100°C</td>
<td>ISO 815</td>
<td>%</td>
<td>35</td>
</tr>
<tr>
<td>Flammability³</td>
<td>UL 94</td>
<td>V1</td>
<td></td>
</tr>
<tr>
<td>Compression modulus, 10 % strain</td>
<td>ISO 7743</td>
<td>MPa</td>
<td>8.7</td>
</tr>
<tr>
<td>20% strain</td>
<td></td>
<td></td>
<td>9.6</td>
</tr>
</tbody>
</table>

¹ 1 MPa = 145 psi
² 1 N/mm = 5.71 lb/in
³ Tested on a 4 mm thick sample

The recommendations and data given are based on our experience to date, however, no liability can be assumed in connection with their usage and processing. Typical property data values should not be used as specification.

THE NOLATO GROUP

Nolato is an advanced high-tech polymer partner with operations in Europe, Asia and North America. We develop and manufacture products in materials such as plastic, silicone and TPE. Our customer offering comprises everything from concept development, product design and process optimization to high-volume production, post-processing, assembly and logistics.

ABOUT MODUS

We are Modus! With multiple locations in North America and China, Modus Advanced, Inc. is a diversified custom manufacturer which converts EMI Shielding, Environmental Gasket Materials, Microwave Absorbers, Acoustic Materials, Thermal Interface Materials and other high performance materials into finished parts. Modus utilizes its 40 years as an established provider of high quality, reliable products to create precisely what customers specify. Innovative processes; custom fabrication utilizing performance materials; an on time delivery record of more than 99% means Modus is well positioned to help your company succeed.

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