Silplus* 30 AS
Heat Cured Elastomer

Description
Silplus 30 AS, 30 duro hardness heat cured silicone rubber compound for compression molding processes, offers a good anti-static property to silicone rubber products.

Key Features and Typical Benefits
- Good anti-static property
- Colorable translucent appearance
- Excellent mechanical properties and heat resistance
- Excellent processability
- Easy coloring

Typical Physical Properties
TYPICAL UNCURED PROPERTIES

<table>
<thead>
<tr>
<th>Appearance</th>
<th>Translucent</th>
</tr>
</thead>
<tbody>
<tr>
<td>Williams plasticity</td>
<td>150</td>
</tr>
</tbody>
</table>

TYPICAL CURED PROPERTIES (Press cure 10 min @ 170 °C, Post cure 4h @ 200 °C)

| TC-8 curing agent | %   | 0.35 |

MECHANICAL PROPERTIES

<table>
<thead>
<tr>
<th>Density (23 °C)</th>
<th>Mg/m³</th>
<th>1.09</th>
</tr>
</thead>
<tbody>
<tr>
<td>Linear shrinkage</td>
<td>%</td>
<td>4.2</td>
</tr>
<tr>
<td>Hardness (Type A)</td>
<td></td>
<td>30</td>
</tr>
<tr>
<td>Tensile strength</td>
<td>MPa</td>
<td>8.7</td>
</tr>
<tr>
<td>Elongation</td>
<td>%</td>
<td>760</td>
</tr>
<tr>
<td>Tear strength (Angle)</td>
<td>N/mm</td>
<td>21</td>
</tr>
</tbody>
</table>

ELECTRICAL PROPERTIES

<table>
<thead>
<tr>
<th>Volume resistivity</th>
<th>W·cm</th>
<th>8´10^{12}</th>
</tr>
</thead>
<tbody>
<tr>
<td>Half-life time of voltage decay</td>
<td>sec</td>
<td>1.2</td>
</tr>
</tbody>
</table>

STATIC HONESTMETER, 23 °C 50% humidity, Applied voltage: 6kV

Typical properties are average data and are not to be used as or to develop specifications.

Potential Applications

- Mobile jacket, keypad cover, keypad watch
- Consumer goods, novelty, accessory
- Industry roller, rubber sheet
- Automobile parts
Electric Charge Attenuation

Half-life period of voltage decay
Availability
The material is commercially available in a 20kg box.

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