**Material**

ELC65

**Available Grades**

915mm wide rolls, 65°shore A, Black, thicknesses of 0.5mm, 0.8mm, 1.0mm, 1.6mm and 3.2mm available from stock at Silex Ltd.

**Temperature**

![Temperature Range Chart]

**Specifications**

MVQ electrically conductive grade silicone sheeting is designed to be used in many different applications. It is a carbon black filled silicone material that will act as a low amperage conductor, and also provide protection against electrostatic discharge.

This material is available in continuous rolls or sheets. It is resistant to extreme high and low temperatures, and is proven to be an excellent gasketing material. Black is the only colour available.

Sheet thickness ranges from 0.40mm up to 25.4mm thick.

**Environmental Resistance**

Silicone rubber products have an excellent resistance to:

- Ozone
- Oxidation
- Ultraviolet light
- Corona discharge
- Cosmic radiation
- Ionising radiation
- Weathering in general

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**MVQ SILICONES GMBH**

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Director: K Soudah
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Availability Format

- Supplied in continuous roll lengths up to 10 meter
- Widths of 915mm (standard)
- Pressure sensitive adhesive backing
- Punched and water jet gaskets
- Strips and seals
- Fabrications

Typical Applications

Applications where electrical conductivity and RFI/EMI shielding or antistatic qualities are required.

Mechanical Properties

<table>
<thead>
<tr>
<th>Property</th>
<th>Unit</th>
<th>Typical Value</th>
<th>Test Method</th>
</tr>
</thead>
<tbody>
<tr>
<td>Specific Gravity</td>
<td>g/cc</td>
<td>1.17</td>
<td>ASTM D297</td>
</tr>
<tr>
<td>Durometer</td>
<td>Shore A ±5</td>
<td>65 ±5</td>
<td>ASTM D2240</td>
</tr>
<tr>
<td>Tensile Strength</td>
<td>PSI</td>
<td>775</td>
<td>ASTM D412</td>
</tr>
<tr>
<td>Elongation</td>
<td>%</td>
<td>325</td>
<td>ASTM D412</td>
</tr>
<tr>
<td>Compression Set (22 Hrs @ 100°C)</td>
<td>%</td>
<td>15</td>
<td>ASTM D395</td>
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<tr>
<td>Tear Strength</td>
<td>PSI Die „B“</td>
<td>70</td>
<td>ASTM D624</td>
</tr>
<tr>
<td>Volume Resistivity</td>
<td>ohms-cm</td>
<td>5</td>
<td>-</td>
</tr>
</tbody>
</table>
UL94HB rated for 0.8mm and above.