ENCAPSULATION AND POTTING RESINS

ROHS COMPLIANT • SOLVENT FREE • HALOGEN FREE • ADAPTABLE SYSTEMS
Sika Advanced Resins
HIGH TECH RESINS
FOR INNOVATIVE INDUSTRIES

Our resin formulations satisfy the most demanding requirements of potting, encapsulation and casting applications in numerous industries, including electronic devices, automotive and aerospace: resins for capacitors, relays, transformers, sensors, electronic boards, coils, electronic devices, filters.

Our resin systems can withstand the high temperatures associated with lead-free soldering processes. Their purity is combined with excellent mechanical and chemical stability, minimizing contamination and maximizing safety during the handling of sensitive electronic components.

### AVAILABLE SYSTEMS:

- Epoxy and polyurethane
- Customized processability
- Superior wear resistance
- High purity
- Mechanical strength
- Flame retardant resins
- Thermal conductivity

All our resins can be adapted to your requirements. All products are composed of two parts and can be cured at room temperature. Sika Advanced Resins systems are designed to efficiently integrate into your industrial application process.

### EPOXY RESINS

<table>
<thead>
<tr>
<th>Product</th>
<th>Rigidity</th>
<th>Color</th>
<th>Applications</th>
<th>UL listing, EN certification</th>
<th>Shore hardness</th>
<th>Viscosity (mPa.s @ 25 °C)</th>
<th>Pot life (min)*</th>
<th>Density (g/cm³)</th>
<th>Mix ratio (weight)</th>
</tr>
</thead>
<tbody>
<tr>
<td>RE 801</td>
<td>flexible</td>
<td>Black</td>
<td>Multipurpose: Capacitors, relays, coils, bobbins, industrial applications requiring an extremely resistant resin. UL 94: V0 / UL 746B: RTI 90 °C.</td>
<td>Protection of electronic components requiring fire retardant and humidity resistance properties.</td>
<td>62 D 3.500 180 1.47 100:20</td>
<td>3.500</td>
<td>180</td>
<td>1.47</td>
<td>100:20</td>
</tr>
<tr>
<td>RE 801</td>
<td>semi-rigid</td>
<td>Black</td>
<td>Multipurpose: Electric motors, transformers, relays, high temperature resistance &gt;150 °C. UL 94: V0 / UL 746B: RTI 90 °C.</td>
<td>Multipurpose applications requiring long manipulation time.</td>
<td>62 D 3.500 55 1.53 100:16</td>
<td>3.500</td>
<td>55</td>
<td>1.53</td>
<td>100:16</td>
</tr>
<tr>
<td>RE 203</td>
<td>rigid</td>
<td>Black</td>
<td>Multipurpose: Electronic components. UL 94: V0 / UL 746B: RTI 90 °C.</td>
<td>Multipurpose for all kinds of transformers and capacitors.</td>
<td>62 D 3.000 200 1.49 100:12</td>
<td>3.000</td>
<td>200</td>
<td>1.49</td>
<td>100:12</td>
</tr>
</tbody>
</table>

### POLYURETHANE RESINS

<table>
<thead>
<tr>
<th>Product</th>
<th>Rigidity</th>
<th>Color</th>
<th>Applications</th>
<th>UL listing, EN certification</th>
<th>Shore hardness</th>
<th>Viscosity (mPa.s @ 25 °C)</th>
<th>Pot life (min)*</th>
<th>Density (g/cm³)</th>
<th>Mix ratio (weight)</th>
</tr>
</thead>
<tbody>
<tr>
<td>RE 454B</td>
<td>rigid</td>
<td>Black</td>
<td>Multipurpose applications requiring long manipulation time.</td>
<td>High purity.</td>
<td>62 D 3.500 55 1.53 100:16</td>
<td>3.500</td>
<td>55</td>
<td>1.53</td>
<td>100:16</td>
</tr>
<tr>
<td>RE 311</td>
<td>flexible</td>
<td>Black</td>
<td>Multipurpose: Electric motors, transformers, relays, high temperature resistance &gt;150 °C. UL 94: V0 / UL 746B: RTI 90 °C.</td>
<td>Multipurpose applications requiring long manipulation time.</td>
<td>62 D 3.000 200 1.49 100:12</td>
<td>3.000</td>
<td>200</td>
<td>1.49</td>
<td>100:12</td>
</tr>
</tbody>
</table>

** Note: UL listing, EN certification, Shore hardness, Viscosity, Pot life, Density, Mix ratio, as indicated by the manufacturer. ** Availability by country.
GLOBAL SOLUTIONS – LOCAL SERVICE

Our most current General Sales Conditions shall apply.

Please consult the Product Data Sheet prior to any use and processing.

Actual Product Data Sheets and information about additional products please find in:
www.sikaadvancedresins.com