Max Cast CE-43D

Two-Component Polyurethane for Casting

DESCRIPTION
CE-43D is a hard, low viscosity, two-component polyurethane compound. The cured resin has excellent physical properties. Max Cast CE-43D is used for casting, prototype part making, and potting of electrical components. It is easy to use and is non-MOCA, non-TDI based compound.

WHERE TO USE
- Industrial Casting Applications
- Potting Electrical Components
- Molding Prototypes

FEATURES AND BENEFITS
- Low Viscosity – easier pour or injection
- Excellent Physical Properties
- Versatile – meter or hand mixing
- Self-leveling – for use in open top molds

PACKAGING
- 5-gallon pail set (37.8L)
- 50-gallon drum set (378L)

SHELF LIFE
12 months when properly stored.

STORAGE
Store this product in a clean, dry, shaded or covered environment between 75-95°F (24-35°C). DO NOT FREEZE.

TYPICAL PROPERTIES

<table>
<thead>
<tr>
<th>Unmixed Components</th>
<th>Resin</th>
<th>Iso</th>
</tr>
</thead>
<tbody>
<tr>
<td>Viscosity, cP</td>
<td>300</td>
<td>100</td>
</tr>
<tr>
<td>Density, lbs/gal (kg/L)</td>
<td>8.7 (1.04)</td>
<td>10.2 (1.22)</td>
</tr>
<tr>
<td>Color</td>
<td>Blue</td>
<td>Pale Yellow</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Mix Ratio</th>
<th>By Weight (kg)</th>
<th>12.7 (5.76)</th>
<th>10 (4.54)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>By Volume</td>
<td>3</td>
<td>2</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Mixed Material</th>
<th>Result</th>
<th>Method</th>
</tr>
</thead>
<tbody>
<tr>
<td>Gel Time, minutes at 77°F (25°C)</td>
<td>2</td>
<td>ASTM C881</td>
</tr>
<tr>
<td>Demold Time, minutes at 77°F (25°C)</td>
<td>5</td>
<td>--</td>
</tr>
<tr>
<td>Maximum Tensile Stress, psi</td>
<td>4,000</td>
<td>ASTM D412, 0.2in/min rate</td>
</tr>
<tr>
<td>Overnight 70°C cure</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Ultimate Elongation, %</td>
<td>90</td>
<td>ASTM D412, 0.2in/min rate</td>
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<tr>
<td>Overnight 70°C cure</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Shore D Hardness</td>
<td>73-75</td>
<td>ASTM C661</td>
</tr>
<tr>
<td>Overnight ambient cure</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Color</td>
<td>Blue</td>
<td>--</td>
</tr>
</tbody>
</table>

Technical Data Sheet
Willamette Valley Company
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Partnering through service, innovation, and integrity

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PROCESSING
Small Amounts may be mixed by hand; however, for void-free casting, vacuum degas at 2mm Hg. Machine dispensing eliminates the need for degassing. Contact your Willamette Valley Company representative for metering applications.

CHEMICAL HANDLING
CE-43D resin may separate upon standing. Mix prior to use. To avoid contaminating resin or isocyanate with moisture, purge drums with nitrogen before resealing.

HEALTH AND SAFETY
Before handling, you should become familiar with the Safety Data Sheet (SDS) regarding the risks and safe use of this product. To obtain an SDS please call 800-333-9826 or send an email to: msds@wilvaco.com.

CONTACT INFORMATION
Please see the side bar on the front page for the Division nearest to your location.

DISCLAIMER OF WARRANTY
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