DISTITRON® 316 T80

Product type
Unsaturated polyester resin in styrene, Orthophthalic

Appearance
Neutral - Opalescent

Main resin characteristics
Clear, unaccelerated, Thixotropic

Main applications
Buttons

Moulding informations
Casting (rods)

FEATURES OF THE LIQUID RESIN

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<th>Properties</th>
<th>Test Method</th>
<th>Unit</th>
<th>Typical values</th>
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<tbody>
<tr>
<td>Specific weight at 20°C</td>
<td></td>
<td>g/cm³</td>
<td>1.14</td>
</tr>
<tr>
<td>Brookfield viscosity at 25°C, sp 3 rpm 20</td>
<td>MT-CU025V</td>
<td>mPa.s</td>
<td>1900 - 2600</td>
</tr>
<tr>
<td>Solid content</td>
<td>MT-CU001C</td>
<td>%</td>
<td>69 - 73</td>
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<tr>
<td>Reactivity at 25°C + 0.3% Co 1% + 1%</td>
<td>MEKP50</td>
<td>minutes</td>
<td></td>
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<td>Gel time on 50 g resin</td>
<td>RS.08.G</td>
<td>minutes</td>
<td>18 - 22</td>
</tr>
<tr>
<td>Delta</td>
<td>RS.08.G</td>
<td>minutes</td>
<td>28 - 42</td>
</tr>
<tr>
<td>Exothermic peak</td>
<td>RS.08.G</td>
<td>°C</td>
<td>50 - 70</td>
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<tr>
<td>Shelf life at 23°C in the dark</td>
<td>MT-CU002S</td>
<td>months</td>
<td>3</td>
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PROPERTIES OF THE CURED UNREINFORCED RESIN

Curing cycle
24h at 23°C + 2h at 100°C + 1h at 100°C

Tensile strength
ISO 527 (2012) MPa 30

Tensile modulus
ISO 527 (2012) MPa 1800

Elongation at break
ISO 527 (2012) % 18,0

HDT

Glass transition
ASTM E 1545 (2011) °C 51

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