

## DISTITRON® 183 B1

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### Product type

Unsaturated polyester resin in styrene, Isophthalic

### Appearance

Yellow - Light - Transparent

### Main resin characteristics

High thermal resistance, Clear, unaccelerated

### Main applications

Production of Gelcoat

### Moulding informations

Mix with fillers and/or additives

### Shelf life and storage

Store in the shade, out of direct sunlight. Keep storage temperature below 25°C. Unseal container just before use. Shelf-life will be reduced reaching higher temperature.

### Precaution for handling

Read carefully the Safety Data Sheet

### Note

## FEATURES OF THE LIQUID RESIN

<i>Properties</i>	<i>Test Method</i>	<i>Unit</i>	<i>Typical values</i>
<b>Specific weight at 20°C</b>		g/cm <sup>3</sup>	<b>1,14</b>
<b>Brookfield viscosity at 25°C, sp 3 rpm 20</b>	MT-CU025V	mPa.s	<b>900 - 1100</b>
<b>Solid content</b>	MT-CU001C	%	<b>63 - 67</b>
<b>Reactivity</b>	at 25°C + 0,3% Co 6% + 1% MEKP50		
<b>Gel time</b>	RS.08.G	minutes	<b>12 - 16</b>
<b>Delta</b>	RS.08.G	minutes	<b>6 - 11</b>
<b>Exothermic peak</b>	RS.08.G	°C	<b>185 - 215</b>
<b>Acidity</b>	MT-CU001I	mgKOH/g	<b>13 - 20</b>
<b>Shelf life at 23°C in the dark</b>	MT-CU002S	months	<b>6</b>

## PROPERTIES OF THE CURED UNREINFORCED RESIN

<b>Curing cycle</b>	24h at 23°C + 2h at 100°C + 1h at 100°C		
<b>Tensile strength</b>	ISO 527 (2012)	MPa	<b>80</b>
<b>Tensile modulus</b>	ISO 527 (2012)	MPa	<b>3500</b>
<b>Elongation at break</b>	ISO 527 (2012)	%	<b>4,3</b>
<b>Flexural strength</b>	ISO 178/B (2010)	MPa	<b>140</b>
<b>Flexural modulus</b>	ISO 178/B (2010)	MPa	<b>3400</b>
<b>HDT</b>	ISO 75 -2A (2013)	°C	<b>94</b>
<b>Glass transition</b>	ASTM E 1545 (2011)	°C	<b>103</b>
<b>Barcol hardness at 25°C</b>	ASTM D 2583 (2007)	units	<b>41</b>

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