

## DISTITRON® VE 100

First Emission: 05/01/1996

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### Product type

Bisphenol-A Epoxy Resin based vinyl ester in styrene

### Appearance

Yellow - Transparent

### Main resin characteristics

Certificate RINA, Clear, unaccelerated, Type 1310 (DIN 16946-2), Type UP 5 (DIN 18820-1)

### Main applications

Reinforced plastics, general purpose, Profiles, Pipes and tanks

### Moulding informations

Filament winding, Pultrusion

### 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>1,05</b>
<b>Brookfield viscosity at 25°C, sp 2 rpm 20</b>	MT-CU025V	mPa.s	<b>380 - 480</b>
<b>Solid content</b>	MT-CU001C	%	<b>54 - 58</b>
<b>Reactivity</b>	at 25°C + 0,5% Co 6% + 1,5% MEKP50		
<b>Gel time</b>	RS.08.G	minutes	<b>10 - 15</b>
<b>Delta</b>	RS.08.G	minutes	<b>10 - 15</b>
<b>Exothermic peak</b>	RS.08.G	°C	<b>155 - 185</b>
<b>Acidity</b>	MT-CU001I	mgKOH/g	<b>10 max</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>85</b>
<b>Tensile modulus</b>	ISO 527 (2012)	MPa	<b>3400</b>
<b>Elongation at break</b>	ISO 527 (2012)	%	<b>6,6</b>
<b>Flexural strength</b>	ISO 178/B (2010)	MPa	<b>145</b>
<b>Flexural modulus</b>	ISO 178/B (2010)	MPa	<b>3300</b>
<b>HDT</b>	ISO 75 -2A (2013)	°C	<b>104</b>
<b>Glass transition</b>	ASTM E 1545 (2011)	°C	<b>108</b>
<b>Barcol hardness at 25°C</b>	ASTM D 2583 (2007)	units	<b>36</b>

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