

## EPOVIA OPTIMUM® KRF 1001 TAS

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### Product type

Bisphenol-A Epoxy Resin based vinyl ester in styrene

### Appearance

Bluish

### Main resin characteristics

Preaccelerated, Thixotropic

### Main applications

General purpose,  
Pipes and tanks

### Moulding informations

Hand lay up and Spray up

### 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

Stir the resin before use, without use air bubbles,  
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 - 1.10</b>
<b>Brookfield viscosity at 23°C, sp 3 rpm 50</b>	MT-CUT23V	mPa.s	<b>500 - 700</b>
<b>Solid content</b>	MT-CU001C	%	<b>55 - 59</b>
<b>Reactivity</b>	at 23°C + 1,5% MEKP, 8,5% active oxygen (Bx LPT or K12)		
<b>Gel time</b>	MT-CU201R	minutes	<b>27 - 33</b>
<b>23°C - Peak</b>	MT-CU201R	minutes	<b>40 - 50</b>
<b>Exothermic peak</b>	MT-CU201R	°C	<b>130 - 150</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 80°C + 1h at 120°C		
<b>Tensile strength</b>	ISO 527 (2012)	MPa	<b>76</b>
<b>Tensile modulus</b>	ISO 527 (2012)	MPa	<b>3215</b>
<b>Elongation at break</b>	ISO 527 (2012)	%	<b>5</b>
<b>Flexural strength</b>	ISO 178 (2011)	MPa	<b>135</b>
<b>Flexural modulus</b>	ISO 178 (2011)	MPa	<b>3315</b>
<b>HDT</b>	ISO 75 -2A (2013)	°C	<b>101</b>
<b>Glass transition</b>	ASTM E 1545 (2011)	°C	<b>131</b>

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