

## EPOVIA OPTIMUM® KRF 2000 SE

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### Product type

Brominated Epoxy Resin based vinyl ester in styrene

### Appearance

Light - Transparent

### Main resin characteristics

Fire retardant properties, Medium reactivity, Very good chemical resistance,  
Medium viscosity

### Main applications

General purpose

### Moulding informations

Filament winding,  
Vacuum injection,  
Hand lay up and Spray up,  
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

Properties	Test Method	Unit	Typical values
Specific weight at 20°C		g/cm <sup>3</sup>	1.10 - 1.20
Brookfield viscosity at 23°C, sp 2 rpm 50	MT-CU023V	mPa.s	250 - 450
Solid content	MT-CU001C	%	62 - 66
Reactivity	at 23°C + 0,95% accelerator + 1,5% MEKP 8,5% active oxygen (Bx LPT or K12)		
Gel time	MT-CU200R	minutes	15 - 25
23°C - Peak	MT-CU200R	minutes	30 - 50
Exothermic peak	MT-CU200R	°C	150 - 170
Shelf life at 23°C in the dark	MT-CU002S	months	12

## PROPERTIES OF THE CURED UNREINFORCED RESIN

Curing cycle	24h at 23°C + 2h at 80°C + 1h at 120°C		
Tensile strength	ISO 527 (2012)	MPa	90
Tensile modulus	ISO 527 (2012)	MPa	4200
Elongation at break	ISO 527 (2012)	%	3.6
Flexural strength	ISO 178 (2011)	MPa	140
Flexural modulus	ISO 178 (2011)	MPa	3500
HDT	ISO 75 -2A (2013)	°C	117

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