EPOVIA OPTIMUM® KRF 4630 I

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Product type
Brominated Epoxy Resin based vinyl ester in styrene

Appearance
Light - Transparent

Main resin characteristics
Low viscosity, Fire retardand properties, Very good chemical resistance

Main applications
General purpose

Moulding informations
Vacuum infusion

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/cm³	**1.00 - 1.10**
Brookfield viscosity at 23°C, sp 1 rpm 50	MT-CU023V	mPa.s	**120 - 140**
Solid content	MT-CU001C	%	**53 - 59**
Reactivity	at 23°C + 0,95% accelerator + 1,5% MEKP 8,5% active oxigen (Bx LPT or K12)		
Gel time	MT-CU200R	minutes	**55 - 75**
23°C - Peak	MT-CU200R	minutes	**65 - 105**
Exothermic peak	MT-CU200R	°C	**135 - 155**
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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