

## EPOVIA OPTIMUM® KRF 4031 TA

First Emission: 13/12/2016

Version: 01, 31/07/2017

### Product type

Bisphenol-A Epoxy Resin based vinyl ester in styrene

### Appearance

Bluish

### Main resin characteristics

Preaccelerated, Thixotropic, High hydrolisys resistance

### Main applications

Marine, boats,  
Pools,  
Surficial protection (liner, top coat)

### 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

Properties	Test Method	Unit	Typical values
Specific weight at 20°C		g/cm <sup>3</sup>	1.00 - 1.10
Brookfield viscosity at 23°C, sp 2 rpm 50	MT-CUT25V	mPa.s	450 - 550
Solid content	MT-CU001C	%	60 - 64
Reactivity	at 23°C + 1,5% MEKP50		
Gel time	MT-CU202R	minutes	27 - 33
23°C - Peak	MT-CU202R	minutes	40 - 50
Exothermic peak	MT-CU202R	°C	125 - 145
Shelf life at 23°C in the dark	MT-CU002S	months	6

## 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	40
Tensile modulus	ISO 527 (2012)	MPa	3400
Elongation at break	ISO 527 (2012)	%	1.35
Flexural strength	ISO 178 (2011)	MPa	65
Flexural modulus	ISO 178 (2011)	MPa	3460
HDT	ISO 75 -2A (2013)	°C	93

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