

EPOVIA OPTIMUM® RF 5000 UV

First Emission: 13/12/2016

Version: 01, 10/05/2017

Product type

Urethane Epoxy Resin based vinyl ester in styrene

Appearance

Light - Transparent

Main resin characteristics

Thickenable with MgO

Main applications

Relining, CIPP,
Pipes and tanks

Moulding informations

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>
Specific weight at 20°C		g/cm ³	1.05 - 1.10
Brookfield viscosity at 23°C, sp 4 rpm 50	MT-CU023V	mPa.s	20 - 24
Solid content	MT-CU001C	%	58 - 62
Reactivity	at 130°C + 1% TBPB		
Gel time	MT-CU161R		
23°C - Peak	MT-CU161R	minutes	8 - 10
Exothermic peak	MT-CU161R	°C	135 - 155
Shelf life at 23°C in the dark	MT-CU002S	months	12

PROPERTIES OF THE CURED UNREINFORCED RESIN

Curing cycle	4 h at 80°C + 2 h at 120°C		
Tensile strength	ISO 527 (2012)	MPa	35
Tensile modulus	ISO 527 (2012)	MPa	3500
Elongation at break	ISO 527 (2012)	%	1.25
Flexural strength	ISO 178 (2011)	MPa	80
Flexural modulus	ISO 178 (2011)	MPa	3000
HDT	ISO 75 -2A (2013)	°C	130
Glass transition	ASTM E 1545 (2011)	°C	158

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