

DISTITRON® VE 100 ST

First Emission: 01/05/1996

Version: 21, 19/01/2017

Product type

Bisphenol-A Epoxy Resin based vinyl ester in styrene

Appearance

Bluish - Dark - Opalescent

Main resin characteristics

Certificate RINA, With catalyst indicator, Preaccelerated, Thixotropic

Main applications

Marine, boats

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>
Specific weight at 20°C		g/cm ³	1,04
Brookfield viscosity at 25°C, sp 2 rpm 20	MT-CUT25V	mPa.s	600 - 850
Solid content	MT-CU001C	%	52 - 56
Reactivity	at 25°C + 1,5% MEKP50		
Gel time	RS.08.G	minutes	21 - 30
Delta	RS.08.G	minutes	17 - 26
Exothermic peak	RS.08.G	°C	150 - 180
Shelf life at 23°C in the dark	MT-CU002S	months	3

PROPERTIES OF THE CURED UNREINFORCED RESIN

Curing cycle	24h at 23°C + 2h at 100°C + 1h at 100°C		
Tensile strength	ISO 527 (2012)	MPa	55
Tensile modulus	ISO 527 (2012)	MPa	3400
Elongation at break	ISO 527 (2012)	%	2,0
Flexural strength	ISO 178/B (2010)	MPa	95
Flexural modulus	ISO 178/B (2010)	MPa	3500
HDT	ISO 75 -2A (2013)	°C	105
Glass transition	ASTM E 1545 (2011)	°C	110
Barcol hardness at 25°C	ASTM D 2583 (2007)	units	35

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