

DISTITRON® VE 100 H

First Emission: 27/03/2003

Version: 08, 19/01/2017

Product type

Bisphenol-A Epoxy Resin based vinyl ester in styrene

Appearance

Yellow - Transparent

Main resin characteristics

Clear, unaccelerated, High stability

Main applications

Pipes and tanks,
Production of Gelcoat,
Profiles,
Putties

Moulding informations

Filament winding,
Mix with fillers and/or additives,
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

<i>Properties</i>	<i>Test Method</i>	<i>Unit</i>	<i>Typical values</i>
Specific weight at 20°C		g/cm ³	1,06
Brookfield viscosity at 25°C, sp 2 rpm 20	MT-CU025V	mPa.s	380 - 480
Solid content	MT-CU001C	%	54 - 58
Reactivity	at 25°C + 0,5% Co 6% + 1,5% CuHP		
Gel time	RS.08.G	minutes	10 - 15
Delta	RS.08.G	minutes	10 - 15
Exothermic peak	RS.08.G	°C	155 - 185
Acidity	MT-CU001I	mgKOH/g	8 max
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 100°C + 1h at 100°C		
Tensile strength	ISO 527 (2012)	MPa	85
Tensile modulus	ISO 527 (2012)	MPa	3400
Elongation at break	ISO 527 (2012)	%	6,6
Flexural strength	ISO 178/B (2010)	MPa	145
Flexural modulus	ISO 178/B (2010)	MPa	3300
HDT	ISO 75 -2A (2013)	°C	104
Glass transition	ASTM E 1545 (2011)	°C	108
Barcol hardness at 25°C	ASTM D 2583 (2007)	units	36

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