

DISTITRON® VE 370 SC

First Emission: 04/06/2002

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Product type

Bisphenol-A Epoxy Resin based vinyl ester in styrene

Appearance

Yellow - Dark - Transparent

Main resin characteristics

Low viscosity, Certificate RINA, Clear, unaccelerated

Main applications

Marine, boats

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 ⁽¹⁾

Properties	Test Method	Unit	Typical values
Specific weight at 20°C		g/cm ³	1,04
Brookfield viscosity at 25°C, sp 2 rpm 20	MT-CU025V	mPa.s	110 - 150
Solid content	MT-CU001C	%	52 - 56
Reactivity	at 20°C + 0,4% Co 6% + 1,6% CuHP		
Gel time ⁽²⁾	RS.08.G	minutes	52 - 68
Delta	RS.08.G	minutes	28 - 43
Exothermic peak	RS.08.G	°C	135 - 165
Acidity	MT-CU001I	mgKOH/g	6 - 10
Shelf life at 23°C in the dark	MT-CU002S	months	5

1) Thoroughly test in your applications before full-scale use. Geltimes may vary due to the reactive nature of these materials and due to different brands of curing additives. Always test on small scale before formulating large quantities.

2) If present, Cobalt is herewith intended as octoate. Use of different Cobalt salts could result in different geltimes. Always test on small scale before formulating large quantities.

PROPERTIES OF THE CURED UNREINFORCED RESIN ⁽³⁾

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)	%	6,3
Flexural strength	ISO 178/B (2010)	MPa	145
Flexural modulus	ISO 178/B (2010)	MPa	3200
HDT	ISO 75-2A (2013)	°C	108
Glass transition	ASTM E 1545 (2011)	°C	113
Barcol hardness at 25°C	ASTM D 2583 (2007)	units	38

3) Properties are typical values, based on material tested in our laboratories, but varies from sample to sample. Typical values should not be construed as a guaranteed analysis of any specific lot or as specification items.

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