

DISTITRON® VE 102 V9

First Emission: 06/11/2008

Version: 03, 01/09/2016

Product type

Bisphenol-A Epoxy Resin based vinyl ester in styrene

Appearance

Yellow - Transparent

Main resin characteristics

Clear, unaccelerated, High thermal resistance, Certificate RINA

Main applications

Production of Gelcoat,
Profiles

Moulding informations

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. Use before reported shelf-life

Precaution for handling

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 ³	1,07
Brookfield viscosity at 25°C, sp 2 rpm 20	MT-CU025V	mPa.s	820 - 980
Solid content	MT-CU001C	%	57 - 61
Reactivity	at 25°C + 1% Co 1% + 2% MEKP50		
Gel time	RS.08.G	minutes	21 - 30
Curing time	RS.08.G	minutes	31 - 46
Exothermic peak	RS.08.G	°C	160 - 190
Acidity	MT-CU001I	mgKOH/g	17 - 24
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	3200
Elongation at break	ISO 527 (2012)	%	6,5
Flexural strength	ISO 178 (2011)	MPa	145
Flexural modulus	ISO 178 (2011)	MPa	3100
HDT	ISO 75 -2A (2013)	°C	105
Glass transition	ASTM E 1545 (2011)	°C	108
Barcol hardness at 25°C	ASTM D 2583 (2007)	units	40

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