

DISTITRON® I 100 SV1,5

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Product type

Unsaturated polyester resin in styrene, DCPD

Appearance

Orange - Light - Transparent

Main resin characteristics

Preaccelerated

Main applications

Reinforced plastics, general purpose

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

<i>Properties</i>	<i>Test Method</i>	<i>Unit</i>	<i>Typical values</i>
Specific weight at 20°C		g/cm ³	1,10
Brookfield viscosity at 25°C, sp 2 rpm 20	MT-CU025V	mPa.s	120 - 160
Solid content	MT-CU001C	%	60 - 64
Reactivity	at 20°C + 1,5% MEKP50		
Gel time	RS.08.G	minutes	56 - 69
Delta	RS.08.G	minutes	18 - 28
Exothermic peak	RS.08.G	°C	140 - 170
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	75
Tensile modulus	ISO 527 (2012)	MPa	3500
Elongation at break	ISO 527 (2012)	%	3,8
Flexural strength	ISO 178/B (2010)	MPa	130
Flexural modulus	ISO 178/B (2010)	MPa	3500
HDT	ISO 75 -2A (2013)	°C	75
Barcol hardness at 25°C	ASTM D 2583 (2007)	units	40

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