

DISTITRON® 183 CAV5F

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Product type

Unsaturated polyester resin in styrene, Isophthalic

Appearance

Yellow - Light - Transparent

Main resin characteristics

Clear, unaccelerated

Main applications

Production of Gelcoat

Moulding informations

Mix with fillers and/or additives

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

Resin suitable to produce plastic materials and articles intended to come into contact with food according to Commission Regulation EU N.10/2011

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	1,11
Brookfield viscosity at 25°C, sp 2 rpm 20	MT-CU025V	mPa.s	480 - 570
Solid content	MT-CU001C	%	60 - 64
Reactivity	at 23°C + 1% Co 1% + 1% MEKP50		
Gel time	RS.08.G	minutes	16 - 22
Delta	RS.08.G	minutes	8 - 14
Exothermic peak	RS.08.G	°C	185 - 215
Acidity	MT-CU001I	mgKOH/g	11 - 18
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	80
Tensile modulus	ISO 527 (2012)	MPa	3600
Elongation at break	ISO 527 (2012)	%	4,2
Flexural strength	ISO 178/B (2010)	MPa	140
Flexural modulus	ISO 178/B (2010)	MPa	3500
HDT	ISO 75 -2A (2013)	°C	80
Barcol hardness at 25°C	ASTM D 2583 (2007)	units	40

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