

DISTITRON® 183 V6

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Product type

Unsaturated polyester resin in styrene, Isophthalic

Appearance

Yellow - Light - Transparent

Main resin characteristics

Clear, unaccelerated, Type 1140 (DIN 16946-2), Type UP 2 (DIN 18820-1)

Main applications

Pipes and tanks

Moulding informations

Filament winding

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	1,11
Brookfield viscosity at 25°C, sp 2 rpm 20	MT-CU025V	mPa.s	470 - 630
Solid content	MT-CU001C	%	61 - 65
Reactivity	at 25°C + 0,25% Co 6% + 2% MEKP50		
Gel time	RS.08.G	minutes	24 - 31
Delta	RS.08.G	minutes	7 - 13
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	3700
Elongation at break	ISO 527 (2012)	%	3,5
Flexural strength	ISO 178/B (2010)	MPa	145
Flexural modulus	ISO 178/B (2010)	MPa	3600
HDT	ISO 75 -2A (2013)	°C	94
Barcol hardness at 25°C	ASTM D 2583 (2007)	units	44

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