

DISTITRON® 411 V4

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Product type

Unsaturated polyester resin in styrene, Orthophthalic

Appearance

Yellow - Light - Transparent

Main resin characteristics

Clear, unaccelerated

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	300 - 400
Solid content	MT-CU001C	%	61 - 65
Reactivity	at 25°C + 1% Co 1% + 1,1% MEKP50		
25°C - 35°C	RS.03.G	minutes	13 - 24
25°C - Peak	RS.03.G	minutes	< 40
Exothermic peak	RS.03.G	°C	140 - 180
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)	%	3,5
Flexural strength	ISO 178/B (2010)	MPa	135
Flexural modulus	ISO 178/B (2010)	MPa	3500
HDT	ISO 75 -2A (2013)	°C	78
Glass transition	ASTM E 1545 (2011)	°C	94
Barcol hardness at 25°C	ASTM D 2583 (2007)	units	44

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