

DISTITRON® 414 CV3

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Version: 09, 02/01/2017

Product type

Unsaturated polyester resin in styrene, Orthophthalic

Appearance

Yellow - Light - Transparent

Main resin characteristics

Clear, unaccelerated, High reactivity

Main applications

General purpose,
Polymeric concrete

Moulding informations

Casting,
Injection moulding, RTM

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

Properties	Test Method	Unit	Typical values
Specific weight at 20°C		g/cm³	1,11
Brookfield viscosity at 25°C, sp 2 rpm 20	MT-CU025V	mPa.s	250 - 350
Solid content	MT-CU001C	%	59- 63
Reactivity	at 25°C + 1% Co 1% + 2% MEKP50		
25°C - 35°C	RS.03.G	minutes	6 - 9
25°C - Peak	RS.03.G	minutes	10 - 16
Exothermic peak	RS.03.G	°C	160 - 190
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	75
Tensile modulus	ISO 527 (2012)	MPa	3700
Elongation at break	ISO 527 (2012)	%	2,7
Flexural strength	ISO 178/B (2010)	MPa	130
Flexural modulus	ISO 178/B (2010)	MPa	3700
HDT	ISO 75 -2A (2013)	°C	92
Glass transition	ASTM E 1545 (2011)	°C	105
Barcol hardness at 25°C	ASTM D 2583 (2007)	units	48

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