

## DISTITRON® 1404

First Emission: 03/05/1996

Version: 16, 02/01/2017

### Product type

Unsaturated polyester resin in styrene, Orthophthalic

### Appearance

Yellow - Light - Transparent

### Main resin characteristics

High reactivity, Clear, unaccelerated

### Main applications

Abrasives, chips

### Moulding informations

Casting

### 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/cm <sup>3</sup>	1,12
Brookfield viscosity at 25°C, sp 2 rpm 20	MT-CU025V	mPa.s	350 - 450
Solid content	MT-CU001C	%	63 - 67
Reactivity	at 20°C + 0,9% Co 1% + 2% MEKP50		
Gel time	RS.08.G	minutes	14 - 19
Delta	RS.08.G	minutes	7 - 11
Exothermic peak	RS.08.G	°C	180 - 210
Acidity	MT-CU001I	mgKOH/g	26 - 33
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	70
Tensile modulus	ISO 527 (2012)	MPa	3900
Elongation at break	ISO 527 (2012)	%	2,0
Flexural strength	ISO 178/B (2010)	MPa	130
Flexural modulus	ISO 178/B (2010)	MPa	4000
HDT	ISO 75 -2A (2013)	°C	90
Glass transition	ASTM E 1545 (2011)	°C	105
Barcol hardness at 25°C	ASTM D 2583 (2007)	units	48

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