

## DISTITRON® 510 V5

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### Product type

Unsaturated polyester resin in styrene, Orthophthalic

### Appearance

Bluish - Light - Transparent

### Main resin characteristics

Clear, unaccelerated, Light stabilized

### Main applications

Flat sheets, laminates,  
Transparent and corrugated sheets

### Moulding informations

Continuous laminating

### 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>	1,11
Brookfield viscosity at 25°C, sp 2 rpm 20	MT-CU025V	mPa.s	430 - 520
Solid content	MT-CU001C	%	62 - 66
Reactivity	at 25°C + 0,2% Co 6% + 1,5% MEKP50		
Gel time	RS.08.G	min:sec	8:00 - 9:30
Delta	RS.08.G	min:sec	7:30 - 9:15
Exothermic peak	RS.08.G	°C	170 - 200
Acidity	MT-CU001I	mgKOH/g	23 - 30
Shelf life at 23°C in the dark	MT-CU002S	months	6

## PROPERTIES OF THE CURED UNREINFORCED RESIN

Curing cycle	30' at 65°C in H <sub>2</sub> O + 2h a 100°C + 1h at 100°C		
Tensile strength	ISO 527 (2012)	MPa	73
Tensile modulus	ISO 527 (2012)	MPa	3800
Elongation at break	ISO 527 (2012)	%	2,8
Flexural strength	ISO 178/B (2010)	MPa	125
Flexural modulus	ISO 178/B (2010)	MPa	3600
HDT	ISO 75 -2A (2013)	°C	72
Glass transition	ASTM E 1545 (2011)	°C	95
Barcol hardness at 25°C	ASTM D 2583 (2007)	units	45

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