

## DISTITRON® 518 A

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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

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>	1,12
Brookfield viscosity at 25°C, sp 2 rpm 20	MT-CU025V	mPa.s	200 - 270
Solid content	MT-CU001C	%	57 - 61
Reactivity	at 82,2°C + 0,4% Co 1% + 1,3% Perox		
38°C - 68°C	RS.03.G	seconds	70 - 80
38°C - Peak	RS.03.G	min:sec	4:00 - 4:40
Exothermic peak	RS.03.G	°C	185 - 205
Shelf life at 23°C in the dark	MT-CU002S	months	3

## PROPERTIES OF THE CURED UNREINFORCED RESIN

Curing cycle	16h at 70°C + 2h at 100°C + 1h at 100°C		
Tensile strength	ISO 527 (2012)	MPa	70
Tensile modulus	ISO 527 (2012)	MPa	4100
Elongation at break	ISO 527 (2012)	%	2,2
Flexural strength	ISO 178/B (2010)	MPa	130
Flexural modulus	ISO 178/B (2010)	MPa	4000
HDT	ISO 75 -2A (2013)	°C	74
Glass transition	ASTM E 1545 (2011)	°C	85
Barcol hardness at 25°C	ASTM D 2583 (2007)	units	48

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