

## DISTITRON® 516 AL

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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/cm³	1,09
Brookfield viscosity at 25°C, sp 2 rpm 20	MT-CU025V	mPa.s	150 - 190
Solid content	MT-CU001C	%	57 - 61
Reactivity	at 60°C + 0,15% Co 1% + 1,5% MIKP		
Gel time	RS.03.G	min:sec	17:40 - 19:40
Curing time	RS.03.G	minutes	21 - 27
Exothermic peak	RS.03.G	°C	190 - 210
Acidity	MT-CU001I	mgKOH/g	21 - 28
Shelf life at 23°C in the dark	MT-CU002S	months	6

## PROPERTIES OF THE CURED UNREINFORCED RESIN

Curing cycle	2h at 60°C in H2O + 2h a 100°C + 1h at 100°C		
Tensile strength	ISO 527 (2012)	MPa	75
Tensile modulus	ISO 527 (2012)	MPa	3800
Elongation at break	ISO 527 (2012)	%	3,0
Flexural strength	ISO 178/B (2010)	MPa	130
Flexural modulus	ISO 178/B (2010)	MPa	3700
HDT	ISO 75 -2A (2013)	°C	80
Glass transition	ASTM E 1545 (2011)	°C	90
Barcol hardness at 25°C	ASTM D 2583 (2007)	units	46

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