

## DISTITRON® 454 AV7

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### Product type

Unsaturated polyester resin in styrene, Orthophthalic

### Appearance

Neutral - 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>	1,14
Brookfield viscosity at 25°C, sp 2 rpm 20	MT-CU023V	mPa.s	680 - 840
Solid content	MT-CU001C	%	65 - 69
Reactivity	at 85°C + 0,77% Trx K90		
Gel time	RS.08.G	seconds	35 - 55
Curing time	RS.08.G	seconds	120 - 160
Exothermic peak	RS.08.G	°C	205 - 235
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	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	3600
Elongation at break	ISO 527 (2012)	%	3,6
Flexural strength	ISO 178/B (2010)	MPa	130
Flexural modulus	ISO 178/B (2010)	MPa	3400
HDT	ISO 75 -2A (2013)	°C	63
Barcol hardness at 25°C	ASTM D 2583 (2007)	units	43

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