

DISTITRON® 458 EN2

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Product type

Unsaturated polyester resin in styrene, Orthophthalic

Appearance

Pink - Transparent

Main resin characteristics

Preaccelerated, Type 1120 (DIN 16946-2)

Main applications

Polymeric concrete

Moulding informations

Casting,
Mix with fillers and/or additives

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

<i>Properties</i>	<i>Test Method</i>	<i>Unit</i>	<i>Typical values</i>
Specific weight at 20°C		g/cm ³	1,12
Brookfield viscosity at 25°C, sp 2 rpm 20	MT-CU025V	mPa.s	400 - 440
Solid content	MT-CU001C	%	63 - 65
Reactivity	at 23°C + 1% MEKP50		
Gel time	RS.08.G	minutes	9 - 14
Delta	RS.08.G	minutes	10 - 14
Exothermic peak	RS.08.G	°C	155 - 185
Acidity			
Shelf life at 23°C in the dark	MT-CU002S	months	3

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	4100
Elongation at break	ISO 527 (2012)	%	2,0
Flexural strength	ISO 178/B (2010)	MPa	135
Flexural modulus	ISO 178/B (2010)	MPa	4000
HDT	ISO 75 -2A (2013)	°C	75
Glass transition	ASTM E 1545 (2011)	°C	90
Barcol hardness at 25°C	ASTM D 2583 (2007)	units	50

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