

DISTITRON® 412 RV2

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Product type

Unsaturated polyester resin in styrene, Orthophthalic

Appearance

Green - Light - Transparent

Main resin characteristics

Clear, unaccelerated, Fast curing

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

Properties	Test Method	Unit	Typical values
Specific weight at 20°C		g/cm ³	1,09
Brookfield viscosity at 25°C, sp 2 rpm 20	MT-CU025V	mPa.s	170 - 210
Solid content	MT-CU001C	%	54 - 58
Reactivity	at 25°C + 1% Co 1% + 1% MEKP50		
Gel time	RS.08.G	min:sec	2:20 - 3:20
Curing time	RS.08.G	min:sec	6:30 - 10:30
Exothermic peak	RS.08.G	°C	180 - 210
Shelf life at 23°C in the dark	MT-CU002S	months	4

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	3500
HDT	ISO 75 -2A (2013)	°C	90
Glass transition	ASTM E 1545 (2011)	°C	100
Barcol hardness at 25°C	ASTM D 2583 (2007)	units	43

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