

DISTITRON® 412 SV2

First Emission: 26/10/2009

Version: 04, 20/07/2017

Product type

Unsaturated polyester resin in styrene, Orthophthalic

Appearance

Grey - Transparent

Main resin characteristics

Low viscosity, Preaccelerated

Main applications

Windmill blades,
Reinforced plastics, general purpose

Moulding informations

Injection moulding, RTM

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	1,11
Brookfield viscosity at 25°C, sp 2 rpm 20	MT-CU025V	mPa.s	140 - 180
Solid content	MT-CU001C	%	54 - 58
Reactivity	at 20°C + 1% MEKP50		
Gel time	RS.08.G	minutes	45 - 50
Delta	RS.08.G	minutes	17 - 30
Exothermic peak	RS.08.G	°C	115 - 130
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	72
Tensile modulus	ISO 527 (2012)	MPa	3600
Elongation at break	ISO 527 (2012)	%	3,5
Flexural strength	ISO 178/B (2010)	MPa	125
Flexural modulus	ISO 178/B (2010)	MPa	3600
HDT	ISO 75 -2A (2013)	°C	85
Glass transition	ASTM E 1545 (2011)	°C	95
Barcol hardness at 25°C	ASTM D 2583 (2007)	units	45

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