

DISTITRON® 1629 XYQ

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Version: 16, 01/09/2016

Product type

Unsaturated polyester resin in styrene, Isophthalic

Appearance

Bluish - Dark - Opalescent

Main resin characteristics

Low exothermic peak, Certificate RINA, With catalyst indicator, Preaccelerated, Thixotropic

Main applications

Marine, boats

Moulding informations

Hand lay up and Spray up

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

Stir the resin before use, without use air bubbles, 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	1,09
Brookfield viscosity at 25°C, sp 2 rpm 20	MT-CUT25V	mPa.s	450 - 700
Solid content	MT-CU001C	%	54 - 58
Reactivity	at 25°C + 1% MEKP50		
Gel time	RS.08.G	minutes	26 - 36
Delta	RS.08.G	minutes	21 - 30
Exothermic peak	RS.08.G	°C	145 - 175
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	50
Tensile modulus	ISO 527 (2012)	MPa	3800
Elongation at break	ISO 527 (2012)	%	1,6
Flexural strength	ISO 178/B (2010)	MPa	100
Flexural modulus	ISO 178/B (2010)	MPa	3800
HDT	ISO 75 -2A (2013)	°C	105
Glass transition	ASTM E 1545 (2011)	°C	113
Barcol hardness at 25°C	ASTM D 2583 (2007)	units	46

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