

DISTITRON® 429 ESX20Q

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Product type

Unsaturated polyester resin in styrene, Orthophthalic

Appearance

Bluish - Opalescent

Main resin characteristics

Low exothermic peak, With catalyst indicator, Preaccelerated, Thixotropic

Main applications

Marine, boats,
Reinforced plastics, general purpose

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	530 - 720
Solid content	MT-CU001C	%	56 - 60
Reactivity	at 25°C + 1% MEKP50		
Gel time	RS.08.G	minutes	32 - 43
Delta	RS.08.G	minutes	21 - 34
Exothermic peak	RS.08.G	°C	100 - 125
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	53
Tensile modulus	ISO 527 (2012)	MPa	4100
Elongation at break	ISO 527 (2012)	%	1,5
Flexural strength	ISO 178/B (2010)	MPa	90
Flexural modulus	ISO 178/B (2010)	MPa	3900
HDT	ISO 75 -2A (2013)	°C	65
Glass transition	ASTM E 1545 (2011)	°C	78
Barcol hardness at 25°C	ASTM D 2583 (2007)	units	42

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