

DISTITRON® 1629 XYQZ

First Emission: 25/02/2009

Version: 01, 01/09/2016

Product type

Unsaturated polyester resin in styrene, Isophthalic

Appearance

Bluish - Dark - Opalescent

Main resin characteristics

Low styrene emission, Low exothermic peak, 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 introducing air, As the resin includes a film-forming agent, we recommend that the laminate should first rubbed down before bonding or relaminating., Read carefully the Safety Data Sheet

Note

FEATURES OF THE LIQUID RESIN ⁽¹⁾

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-CUT25V	mPa.s	450 - 700
Solid content	MT-CU001C	%	54 - 58
Reactivity	at 25°C + 1% MEKP50		
Gel time ⁽²⁾	RS.08.G	minutes	27 - 34
Curing time	RS.08.G	minutes	49 - 63
Exothermic peak	RS.08.G	°C	150 - 180
Shelf life at 23°C in the dark	MT-CU002S	months	3

1) Thoroughly test in your applications before full-scale use. Geltimes may vary due to the reactive nature of these materials and due to different brands of curing additives. Always test on small scale before formulating large quantities.

2) If present, Cobalt is herewith intended as octoate. Use of different Cobalt salts could result in different gellimes. Always test on small scale before formulating large quantities.

PROPERTIES OF THE CURED UNREINFORCED RESIN ⁽³⁾

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

3) Properties are typical values, based on material tested in our laboratories, but varies from sample to sample. Typical values should not be construed as a guaranteed analysis of any specific lot or as specification items.

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