

DISTITRON® 1629 F

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Product type

Unsaturated polyester resin in styrene, Isophthalic

Appearance

Yellow - Light - Transparent

Main resin characteristics

Certificate RINA, Clear, unaccelerated

Main applications

Reinforced plastics, general purpose,
Pipes and tanks

Moulding informations

Filament winding,
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

Read carefully the Safety Data Sheet

Note

Resin suitable to produce plastic materials and articles intended to come into contact with food according to Commission Regulation EU N.10/2011

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	1,10
Brookfield viscosity at 25°C, sp 2 rpm 20	MT-CU025V	mPa.s	260 - 320
Solid content	MT-CU001C	%	58 - 62
Reactivity	at 25°C + 0,3% Co 6% + 1% MEKP50		
Gel time	RS.08.G	minutes	7 - 11
Delta	RS.08.G	minutes	7 - 11
Exothermic peak	RS.08.G	°C	190 - 220
Acidity	MT-CU001I	mgKOH/g	11 - 18
Shelf life at 23°C in the dark	MT-CU002S	months	6

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	3800
Elongation at break	ISO 527 (2012)	%	2,3
Flexural strength	ISO 178/B (2010)	MPa	135
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	45

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