

DISTITRON® 316 T80

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Product type

Unsaturated polyester resin in styrene, Orthophthalic

Appearance

Neutral - Opalescent

Main resin characteristics

Clear, unaccelerated, Thixotropic

Main applications

Buttons

Moulding informations

Casting (rods)

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	1,14
Brookfield viscosity at 25°C, sp 3 rpm 20	MT-CU025V	mPa.s	1900 - 2600
Solid content	MT-CU001C	%	69 - 73
Reactivity	at 25°C + 0,3% Co 1% + 1% MEKP50		
Gel time on 50 g resin	RS.08.G	minutes	18 - 22
Delta	RS.08.G	minutes	28 - 42
Exothermic peak	RS.08.G	°C	50 - 70
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	30
Tensile modulus	ISO 527 (2012)	MPa	1800
Elongation at break	ISO 527 (2012)	%	18,0
HDT	ISO 75 -2A (2013)	°C	35
Glass transition	ASTM E 1545 (2011)	°C	51

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