

DISTITRON® 152

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Product type

Unsaturated polyester resin in styrene, Isophthalic-Neopentyllic

Appearance

Yellow - Light - Transparent

Main resin characteristics

Clear, unaccelerated

Main applications

Production of Gelcoat

Moulding informations

Mix with fillers and/or additives

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

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 3 rpm 20	MT-CU025V	mPa.s	850 - 1150
Solid content	MT-CU001C	%	64 - 68
Reactivity	at 25°C + 0,2% Co 6% + 2% MEKP50		
Gel time	RS.08.G	min:sec	5:30 - 7:30
Curing time	RS.08.G	min:sec	5:30 - 9:30
Exothermic peak	RS.08.G	°C	180 - 210
Acidity	MT-CU001I	mgKOH/g	16 - 23
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	3700
Elongation at break	ISO 527 (2012)	%	3,0
Flexural strength	ISO 178/B (2010)	MPa	135
Flexural modulus	ISO 178/B (2010)	MPa	3600
HDT	ISO 75 -2A (2013)	°C	82
Glass transition	ASTM E 1545 (2011)	°C	100
Barcol hardness at 25°C	ASTM D 2583 (2007)	units	43

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