

DISTITRON® 152 S1

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Product type

Unsaturated polyester resin in styrene, Isophthalic-Neopentyllic

Appearance

Grey - Light - Transparent

Main resin characteristics

Preaccelerated

Main applications

Marine, boats

Moulding informations

Vacuum infusion,
Injection moulding, RTM

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	1,07
Brookfield viscosity at 25°C, sp 2 rpm 20	MT-CU025V	mPa.s	180 - 270
Solid content	MT-CU001C	%	57 - 61
Reactivity	at 20°C + 1% MEKP50		
Gel time	RS.08.G	minutes	90 - 110
Delta	RS.08.G	minutes	45 - 65
Exothermic peak	RS.08.G	°C	110 - 135
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	75
Tensile modulus	ISO 527 (2012)	MPa	3400
Elongation at break	ISO 527 (2012)	%	3,0
Flexural strength	ISO 178/B (2010)	MPa	135
Flexural modulus	ISO 178/B (2010)	MPa	3300
HDT	ISO 75 -2A (2013)	°C	95
Glass transition	ASTM E 1545 (2011)	°C	105
Barcol hardness at 25°C	ASTM D 2583 (2007)	units	44

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