

POLYNT 4506 TA

First Emission: 22/07/2016

Version: 01, 19/12/2016

Product type

Unsaturated polyester resin in styrene, Isophthalic

Appearance

Bluish

Main resin characteristics

Preaccelerated, Thixotropic

Main applications

Surficial protection (liner, top coat)

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 air bubbles, Read carefully the Safety Data Sheet

Note

FEATURES OF THE LIQUID RESIN

Properties	Test Method	Unit	Typical values
Specific weight at 20°C		g/cm ³	1,11
Brookfield viscosity at 23°C, sp 2 rpm 50	MT-CUT23V	mPa.s	600 - 800
Solid content	MT-CU001C	%	56 - 60
Reactivity	at 23°C + 1% MEKP50		
Gel time	MT-CU151R	minutes	16 - 20
23°C - Peak	MT-CU151R	minutes	28 - 38
Exothermic peak	MT-CU151R	°C	130 - 150
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	65
Tensile modulus	ISO 527 (2012)	MPa	3550
Elongation at break	ISO 527 (2012)	%	4,7
Flexural strength	ISO 178 (2011)	MPa	150
Flexural modulus	ISO 178 (2011)	MPa	3040
HDT	ISO 75 -2A (2013)	°C	63

Polynt S.p.A. - Company with sole shareholder
Headquarters: Via Enrico Fermi, 51 - IT - 24020 Scanzorosciate (BG)
Phone +39 035 65211 - Fax +39 035 652421
R.E.A. Bergamo: 383079 - Share capital fully paid €23,599,698.00

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