Polynt Composites

DISTITRON® 1402 AN2V3

First Emission: 24/01/2013   **Version: 03, 02/01/2017**

Product type
Unsaturated polyester resin in styrene, Orthophthalic

Appearance
Pink - Transparent

Main resin characteristics
Preaccelerated, Light stabilized

Main applications
Pipes and tanks

Moulding informations
Filament winding

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

Properties	Test Method	Unit	Typical values
Specific weight at 20°C		g/cm³	1,11
Brookfield viscosity at 25°C, sp 2 rpm 20	MT-CU025V	mPa.s	220 - 280
Solid content	MT-CU001C	%	60 - 64
Reactivity	at 20°C + 1,5% MEKP50		
Gel time	RS.08.G	minutes	19 - 26
Delta	RS.08.G	minutes	8 - 13
Exothermic peak	RS.08.G	°C	170 - 200
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	65
Tensile modulus	ISO 527 (2012)	MPa	3900
Elongation at break	ISO 527 (2012)	%	2,2
Flexural strength	ISO 178/B (2010)	MPa	125
Flexural modulus	ISO 178/B (2010)	MPa	3900
HDT	ISO 75 -2A (2013)	°C	75
Glass transition	ASTM E 1545 (2011)	°C	90
Barcol hardness at 25°C	ASTM D 2583 (2007)	units	44