

POLYNT 1349 IAQ5

First Emission: 23/11/2018

Version: 02, 25/01/2019

Product type

Unsaturated polyester resin in styrene, Orthophthalic

Appearance

Pink - Light

Main resin characteristics

Low reactivity, Low viscosity, Preaccelerated

Main applications

General purpose

Moulding informations

Hand lay up and Spray up,
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 ⁽¹⁾

Properties	Test Method	Unit	Typical values
Specific weight at 20°C		g/cm ³	1,12
Brookfield viscosity at 25°C, sp 2 rpm 50	MT-CU025V	mPa.s	90 - 110
Solid content	MT-CU001C	%	47 - 51
Reactivity	at 23°C + 2% AAP		
Gel time ⁽²⁾	MT-CU157R	minutes	6 - 8
23°C - Peak	MT-CU157R	minutes	10 - 20
Exothermic peak	MT-CU157R	°C	150 - 180
Shelf life at 23°C in the dark	MT-CU002S	months	6

1) Thoroughly test in your applications before full-scale use. Geltimes may vary due to the reactive nature of these materials and due to different brands of curing additives. Always test on small scale before formulating large quantities.

2) If present, Cobalt is herewith intended as octoate. Use of different Cobalt salts could result in different geltimes. Always test on small scale before formulating large quantities.

PROPERTIES OF THE CURED UNREINFORCED RESIN ⁽³⁾

Curing cycle	24h at 23°C + 2h at 100°C + 1h at 100°C		
Tensile strength	ISO 527 (2012)	MPa	45
Tensile modulus	ISO 527 (2012)	MPa	4022
Elongation at break	ISO 527 (2012)	%	1.25
Flexural strength	ISO 178 (2011)	MPa	48
Flexural modulus	ISO 178 (2011)	MPa	3881
HDT	ISO 75-2A (2013)	°C	64

3) Properties are typical values, based on material tested in our laboratories, but varies from sample to sample. Typical values should not be construed as a guaranteed analysis of any specific lot or as specification items.

The information contained in this document (which is to be intended only for explanatory purposes) is correct and accurate and is based on our technical and scientific knowledge and on literature at the date of publication. Such information relates only to use of the products in the pure state and for the purposes stated herein. Nothing in the information contained in this document shall be deemed to be a warranty or a representation (explicit or implicit) by the manufacturer, and/or taken or construed as infringing of any existing patents. The manufacturer shall not be under any liability or responsibility for any of the information provided under this document or for any errors, omissions or misstatements, even with regard to results to be obtained through the use of the aforesaid information.