

POLYNT VE 4035 TASQ1

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Product type

Bisphenol-A Epoxy Resin based vinyl ester in styrene

Appearance

Pink - Opalescent

Main resin characteristics

Preaccelerated
Thixotropic

Main applications

Marine, boats
Swimming pools

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

Read carefully the Safety Data Sheet
Stir the resin before use, without introducing air

FEATURES OF THE LIQUID RESIN ⁽¹⁾

Properties	Test Method	Unit	Typical values
Specific weight at 20°C		g/cm ³	1,0 - 1,1
Brookfield viscosity at 23°C, sp 2 rpm 20	MT-CU T23V	mPa.s	680 - 840
Solid content	MT-CU 001C	%	53 - 57
Reactivity	at 23°C + 1,5% MEKP50		
23°C - 31°C ⁽²⁾	RS.03.G	minutes	35 - 40
23°C - Peak	RS.03.G	minutes	48 - 60
Exothermic peak	RS.03.G	°C	120 - 155
Storage stability at 23°C in the dark	MT-CU 002S	months	4

- 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	70
Tensile modulus	ISO 527 (2012)	MPa	3400
Elongation at break	ISO 527 (2012)	%	3,0
Flexural strength	ISO 178 (2011)	MPa	145
Flexural modulus	ISO 178 (2011)	MPa	3500
HDT	ISO 75-2A (2013)	°C	89
Barcol hardness at 25°C	ASTM D 2583 (2007)	units	33

- 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.

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