

POLYLITE® 32032-20

First Emission: 17/04/2020

Version: 2, 24/01/2025

Product type

Unsaturated polyester resin in styrene, Orthophthalic

Appearance

Main resin characteristics

Acrylic modified
Light stabilized
Low reactivity
Low viscosity
Preaccelerated

Main applications

Inclusion

Moulding informations

Casting

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 25°C		g/cm ³	1.10 ±0.02
Brookfield LVF at 25°C, sp 3 rpm 60	A040	mPa.s	300-400
Non Volatile Content	MT-CU 001C	%	60-64
	at 25°C + 1,25% MEKP50		
Gel time ⁽²⁾	G020	minutes	18-30
Curing time	G020	minutes	50-80
Exothermic peak	G020	°C	115-160
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⁾

	Fully postcured		
Tensile strength	ASTM D638	MPa	69
Flexural strength	ASTM D790	MPa	90
HDT	ISO 75-2A (2013)	°C	74
Barcol hardness at 25°C	ASTM D 2583 (2007)	units	35-40

- 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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