

ENYDYNE® H 61283

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Product type

Unsaturated polyester resin in styrene, DCPD

Appearance

NA - Light - Transparent

Main resin characteristics

Very good glass wet-out, Reduced fibre print-through, Low styrene content

Main applications

General purpose

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

Note

FEATURES OF THE LIQUID RESIN ⁽¹⁾

Properties	Test Method	Unit	Typical values
Specific weight at 20°C		g/cm ³	1,10
Brookfield viscosity at 23°C, sp 2 rpm 50	MT-CU023V	mPa.s	480 - 580
Solid content	MT-CU001C	%	70 - 74
Reactivity	at 23°C + 1,2% Co 1% + 1,5% MEKP50		
Gel time ⁽²⁾	MT-CU152R	minutes	12 - 16
23°C - Peak	MT-CU152R	minutes	26 - 32
Exothermic peak	MT-CU152R	°C	115 - 135
Shelf life at 23°C in the dark	MT-CU002S	months	9

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 gellimes. Always test on small scale before formulating large quantities.

PROPERTIES OF THE CURED UNREINFORCED RESIN ⁽³⁾

Curing cycle	16 h at 40°C + 2 h at 90°C (+ 2 h at 120°C for HDT)		
Tensile strength	ISO 527 (2012)	MPa	35
Tensile modulus	ISO 527 (2012)	MPa	3450
Elongation at break	ISO 527 (2012)	%	1,1
Flexural strength	ISO 178 (2011)	MPa	70
Flexural modulus	ISO 178 (2011)	MPa	3500
HDT	ISO 75-2A (2013)	°C	74

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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