

ENYDYNE® I 66319 A

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Product type

Unsaturated polyester resin in styrene, DCPD

Appearance

NA - Light - Transparent

Main resin characteristics

Preaccelerated, Medium viscosity

Main applications

Moulding informations

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

Properties	Test Method	Unit	Typical values
Specific weight at 20°C		g/cm ³	1,10
Brookfield viscosity at 23°C, sp 3 rpm 50	MT-CU023V	mPa.s	320 - 370
Solid content	MT-CU001C	%	60 - 64
Reactivity	at 23°C + 2% AAP		
Gel time	MT-CU157R	minutes	22 - 28
23°C - Peak	MT-CU157R	minutes	26 - 36
Exothermic peak	MT-CU157R	°C	130 - 170
Shelf life at 23°C in the dark	MT-CU002S	months	6

PROPERTIES OF THE CURED UNREINFORCED RESIN

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	45
Tensile modulus	ISO 527 (2012)	MPa	3550
Elongation at break	ISO 527 (2012)	%	1,55
Flexural strength	ISO 178 (2011)	MPa	90
Flexural modulus	ISO 178 (2011)	MPa	3500
HDT	ISO 75 -2A (2013)	°C	65

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