

ENYDYNE® I 65133 A

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Product type

Unsaturated polyester resin in styrene, DCPD

Appearance

Amber - Light - Transparent

Main resin characteristics

Preaccelerated, Medium reactivity, Low viscosity

Main applications

General purpose

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

<i>Properties</i>	<i>Test Method</i>	<i>Unit</i>	<i>Typical values</i>
Specific weight at 20°C		g/cm ³	1,10
Brookfield viscosity at 23°C, sp 1 rpm 50	MT-CU023V	mPa.s	120 - 160
Solid content	MT-CU001C	%	57 - 61
Reactivity	at 23°C + 1,2% Co 1% + 1,5% MEKP50		
Gel time	MT-CU151R	min:sec	5:30 - 7:30
23°C - Peak	MT-CU151R	minutes	14 - 20
Exothermic peak	MT-CU151R	°C	145 - 165
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	38
Tensile modulus	ISO 527 (2012)	MPa	3848
Elongation at break	ISO 527 (2012)	%	1,19
Flexural strength	ISO 178 (2011)	MPa	62
Flexural modulus	ISO 178 (2011)	MPa	3548
HDT	ISO 75 -2A (2013)	°C	61

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