

NORSODYNE® H 84233 L

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Product type

Unsaturated polyester resin in styrene, halogenated

Appearance

Amber - Light - Transparent

Main resin characteristics

Low viscosity, Fire retardand properties, Light stabilized, Very good chemical resistance

Main applications

Building panels,
Parts with high resistance to fire

Moulding informations

Hand lay up and Spray up,
Continuous laminating

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

The final Fire resistance properties could change following the final structure of the piece and its use's condition. It will be necessary to verify the final properties on a prototype before industrial production.,
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 2 rpm 50	MT-CU023V	mPa.s	400 - 500
Solid content	MT-CU001C	%	68 - 72
Reactivity	at 23°C + 1,2% Co 1% + 1,5% MEKP50		
Gel time	MT-CU152R	minutes	14 - 18
23°C - Peak	MT-CU152R	minutes	34 - 42
Exothermic peak	MT-CU152R	°C	100 - 120
Shelf life at 23°C in the dark	MT-CU002S	months	9

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	40
Tensile modulus	ISO 527 (2012)	MPa	3600
Elongation at break	ISO 527 (2012)	%	1,15
Flexural strength	ISO 178 (2011)	MPa	85
Flexural modulus	ISO 178 (2011)	MPa	3500
HDT	ISO 75 -2A (2013)	°C	82

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