

NORSODYNE® H 44173

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Product type

Unsaturated polyester resin in styrene, Isophthalic

Appearance

NA - Light - Transparent

Main resin characteristics

High hydrolysis resistance, Low viscosity, Medium reactivity,
Very good chemical resistance

Main applications

General purpose,
Marine, boats,
Pipes and tanks

Moulding informations

Centrifugal casting,
Filament winding,
Hand lay up and Spray up,
Injection moulding, RTM,
Press and vacuum moulding,
Pultrusion

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	1,08
Brookfield viscosity at 23°C, sp 2 rpm 50	MT-CU023V	mPa.s	340 - 400
Solid content	MT-CU001C	%	54 - 58
Reactivity	at 23°C + 1,2% Co 1% + 1,5% MEKP50		
Gel time	MT-CU152R	minutes	5 - 8
23°C - Peak	MT-CU152R	minutes	19 - 23
Exothermic peak	MT-CU152R	°C	145 - 175
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	70
Tensile modulus	ISO 527 (2012)	MPa	3530
Elongation at break	ISO 527 (2012)	%	2,6
Flexural strength	ISO 178 (2011)	MPa	140
Flexural modulus	ISO 178 (2011)	MPa	3460
HDT	ISO 75 -2A (2013)	°C	95
Barcol hardness at 25°C	ASTM D 2583 (2007)	units	45 - 50

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