

NORSODYNE® H 16439 AEP

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Version: 01, 20/03/2017

Product type

Unsaturated polyester resin in styrene, Orthophthalic

Appearance

White

Main resin characteristics

High reactivity, Low styrene emission, Low viscosity, Pigmented, Preaccelerated

Main applications

Isothermal sandwich panels

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

As the resin includes a film-forming agent, we recommend that the laminate should first be rubbed down before bonding or relaminating. 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	1,12
Brookfield viscosity at 23°C, sp 2 rpm 50	MT-CU023V	mPa.s	220 - 320
Solid content	MT-CU001C	%	57 - 61
Reactivity	at 23°C + 1,5% MEKP50		
Gel time	MT-CU151R	minutes	34 - 40
23°C - Peak	MT-CU151R	minutes	42 - 52
Exothermic peak	MT-CU151R	°C	165 - 185
Shelf life at 23°C in the dark	MT-CU002S	months	4

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	3475
Elongation at break	ISO 527 (2012)	%	1,25
Flexural strength	ISO 178 (2011)	MPa	115
Flexural modulus	ISO 178 (2011)	MPa	3770
HDT	ISO 75 -2A (2013)	°C	106

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