

ENYDYNE® H 86291 TF

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Version: 01, 04/01/2017

Product type

Unsaturated polyester resin in styrene, DCPD

Appearance

White

Main resin characteristics

Fire retardant properties, Filled, Very good glass wet-out, Medium viscosity

Main applications

General purpose, Isothermal sandwich panels

Moulding informations

Hand lay up and Spray up, 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

Stir the resin before use, without use air bubbles, 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

Properties	Test Method	Unit	Typical values
Specific weight at 20°C		g/cm ³	1,6
Brookfield viscosity at 23°C, sp 3 rpm 50	MT-CUT23V	mPa.s	700 - 900
Solid content	MT-CU001C	%	72 - 76
Reactivity	at 23°C + 1,2% Co 1% + 1,5% MEKP50		
Gel time	MT-CU152R	minutes	12 - 16
23°C - Peak	MT-CU152R	minutes	33 - 43
Exothermic peak	MT-CU152R	°C	45 - 55
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	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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