

NORSODYNE® FIREBLOOK I 81268 F

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Product type

Unsaturated Polyester Resin in styrene filled, without halogeneous component and anti-foam additive

Appearance

White

Main resin characteristics

With fillers

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. Use before reported shelf-life

Precaution for handling

Read carefully the Safety Data Sheet,
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.

Note

FEATURES OF THE LIQUID RESIN

Properties	Test Method	Unit	Typical values
Specific weight at 20°C		g/cm ³	1,39
Brookfield viscosity at 23°C, sp 3 rpm 50	MT-CU025V	mPa.s	550 - 750
Solid content	MT-CU001C	%	65 - 69
Reactivity	at 23°C + 1,2% Co 1% + 1,5% MEKP50		
Gel time	MT-CU152R	minutes	16 - 22
23°C - Peak	MT-CU152R	minutes	23 - 33
Exothermic peak	MT-CU152R	°C	115 - 145
Shelf life at 23°C in the dark	MT-CU002S	months	4

PROPERTIES OF THE CURED UNREINFORCED RESIN

Curing cycle	16 h at 80°C + 2 h at 140°C		
Tensile strength	ISO 527 (2012)	MPa	25
Tensile modulus	ISO 527 (2012)	MPa	3479
Elongation at break	ISO 527 (2012)	%	0,72
Flexural strength	ISO 178 (2011)	MPa	60
Flexural modulus	ISO 178 (2011)	MPa	3276
HDT	ISO 75 -2A (2013)	°C	129

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