

NORSODYNE® M 01070

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Product type

Pure maleic unsaturated polyester resin in styrene

Appearance

NA - Light - Transparent

Main resin characteristics

Good compatibility with thermoplastic additives,
Good pigmentability, Thickenable with MgO

Main applications

General purpose,
BMC and SMC manufacture, very good mechanical properties

Moulding informations

Hot press moulding,
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

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 10	MT-CU023V	mPa.s	1400 - 1600
Solid content	MT-CU001C	%	66 - 69
Reactivity	at 130°C + 1% TBPB		
Gel time	MT-CU003R	seconds	55 - 75
	MT-CU003R	min:sec	1:30 - 2:00
Exothermic peak	MT-CU003R	°C	265 - 285
Shelf life at 23°C in the dark	MT-CU002S	months	9

PROPERTIES OF THE CURED UNREINFORCED RESIN

Curing cycle	16 h at 80°C + 2 h at 140°C		
Tensile strength	ISO 527 (2012)	MPa	35
Tensile modulus	ISO 527 (2012)	MPa	3165
Elongation at break	ISO 527 (2012)	%	1,3
Flexural strength	ISO 178 (2011)	MPa	90
Flexural modulus	ISO 178 (2011)	MPa	3150
HDT	ISO 75 -2A (2013)	°C	147

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