

NORSODYNE® S 81302 AL

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Product type

Unsaturated polyester resin in styrene, Orthophthalic

Appearance

Grey - Light - Veiled

Main resin characteristics

Fire retardant properties, Good transparency, Light stabilized, Medium reactivity, Preaccelerated, Very good glass wet-out, Very long shelf life

Main applications

Transparent and corrugated sheets

Moulding informations

Continuous laminating,
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

Read carefully the Safety Data Sheet

Note

FEATURES OF THE LIQUID RESIN ⁽¹⁾

<i>Properties</i>	<i>Test Method</i>	<i>Unit</i>	<i>Typical values</i>
Specific weight at 20°C		g/cm ³	1,23
Brookfield viscosity at 23°C, sp 2 rpm 50	MT-CU023V	mPa.s	390 - 430
Solid content	MT-CU001C	%	64 - 72
Reactivity	at 85°C + peroxydes		
Gel time ⁽²⁾	MT-CU026R	min:sec	2:00 - 2:40
Curing time	MT-CU026R	min:sec	3:15 - 4:15
Exothermic peak	MT-CU026R	°C	208 - 223
Shelf life at 23°C in the dark	MT-CU002S	months	6

1) Thoroughly test in your applications before full-scale use. Geltimes may vary due to the reactive nature of these materials and due to different brands of curing additives. Always test on small scale before formulating large quantities.

2) If present, Cobalt is herewith intended as octoate. Use of different Cobalt salts could result in different geltimes. Always test on small scale before formulating large quantities.

PROPERTIES OF THE CURED UNREINFORCED RESIN ⁽³⁾

Curing cycle	16 h at 80°C + 2 h at 120°C		
Tensile strength	ISO 527 (2012)	MPa	33
Tensile modulus	ISO 527 (2012)	MPa	4080
Elongation at break	ISO 527 (2012)	%	1
Flexural strength	ISO 178 (2011)	MPa	50
Flexural modulus	ISO 178 (2011)	MPa	4070
HDT	ISO 75-2A (2013)	°C	75,5
Glass transition			

3) Properties are typical values, based on material tested in our laboratories, but varies from sample to sample. Typical values should not be construed as a guaranteed analysis of any specific lot or as specification items.

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