

# NORSODYNE® I 16319 A

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## Product type

Unsaturated polyester resin in styrene, Orthophthalic

## Appearance

Pink - Light - Transparent

## Main resin characteristics

Preaccelerated, Medium reactivity

## Main applications

General purpose

## Moulding informations

Vacuum infusion,  
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>
<b>Specific weight at 20°C</b>		g/cm <sup>3</sup>	<b>1,10</b>
<b>Brookfield viscosity at 23°C, sp 2 rpm 50</b>	MT-CU023V	mPa.s	<b>210 - 310</b>
<b>Solid content</b>	MT-CU001C	%	<b>57 - 61</b>
<b>Reactivity</b>	at 23°C + 2% AAP		
<b>Gel time</b>	MT-CU157R	minutes	<b>17 - 22</b>
<b>23°C - Peak</b>	MT-CU157R	min:sec	<b>20:30 - 27:30</b>
<b>Exothermic peak</b>	MT-CU157R	°C	<b>170 - 190</b>
<b>Shelf life at 23°C in the dark</b>	MT-CU002S	months	<b>6</b>

## PROPERTIES OF THE CURED UNREINFORCED RESIN

<b>Curing cycle</b>	16 h at 40°C + 2 h at 90°C (+ 2 h at 120°C for HDT)		
<b>Tensile strength</b>	ISO 527 (2012)	MPa	<b>70</b>
<b>Tensile modulus</b>	ISO 527 (2012)	MPa	<b>3900</b>
<b>Elongation at break</b>	ISO 527 (2012)	%	<b>2,6</b>
<b>Flexural strength</b>	ISO 178 (2011)	MPa	<b>130</b>
<b>Flexural modulus</b>	ISO 178 (2011)	MPa	<b>3850</b>
<b>HDT</b>	ISO 75 -2A (2013)	°C	<b>87</b>

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