NORSODYNE® P 44070 L

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Product type
Unsaturated polyester resin in styrene, Isophthalic

Appearance
NA - Light - Transparent

Main resin characteristics
Low viscosity, Medium reactivity, Light stabilized,
High hydrolisys resistance, Very good chemical resistance

Main applications
General purpose

Moulding informations
Hand lay up and Spray up,
Pultrusion

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

Properties	Test Method	Unit	Typical values
Specific weight at 20°C		g/cm³	**1,08**
Brookfield viscosity at 23°C, sp 2 rpm 50	MT-CU023V	mPa.s	**340 - 400**
Solid content	MT-CU001C	%	**54 - 58**
Reactivity	at 130°C + 1% TBPB		
Gel time	MT-CU003R	min:sec	**1:30 - 1:50**
	MT-CU003R	min:sec	**2:05 - 2:35**
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 40°C + 2 h at 90°C (+ 2 h at 120°C for HDT)		
Tensile strength	ISO 527 (2012)	MPa	**70**
Tensile modulus	ISO 527 (2012)	MPa	**3530**
Elongation at break	ISO 527 (2012)	%	**2,6**
Flexural strength	ISO 178 (2011)	MPa	**140**
Flexural modulus	ISO 178 (2011)	MPa	**3460**
HDT	ISO 75 -2A (2013)	°C	**95**

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