Technical data sheet

ENYDYNE® R 61500 T

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Product type
Unsaturated polyester resin in styrene, DCPD

Appearance
Amber - Opalescent

Main resin characteristics
Medium reactivity, Thixotropic

Main applications
Pipes and tanks

Moulding informations

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
Stir the resin before use, without use air bubbles,
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	
Brookfield viscosity at 23°C, sp 2 rpm 50	MT-CUT23V	mPa.s	**1000 - 1500**
Solid content	MT-CU001C	%	**65 - 69**
Reactivity	at 23°C + 0,15% DMA + 3% PBO50		
Gel time		minutes	**55 - 75**
23°C - Peak		minutes	**60 - 80**
Exothermic peak		°C	**110 - 130**
Shelf life at 23°C in the dark	MT-CU002S	months	**6**

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	**3,3**
Tensile modulus	ISO 527 (2012)	MPa	**4130**
Elongation at break	ISO 527 (2012)	%	**1,6**
Flexural strength	ISO 178 (2011)	MPa	**48**
Flexural modulus	ISO 178 (2011)	MPa	**3380**
HDT	ISO 75 -2A (2013)	°C	**94**

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