DISTITRON® 412 SV2

First Emission: 26/10/2009 Version: 04, 20/07/2017

Product type
Unsaturated polyester resin in styrene, Orthophthalic

Appearance
Grey - Transparent

Main resin characteristics
Low viscosity, Preaccelerated

Main applications
Windmill blades,
Reinforced plastics, general purpose

Moulding informations
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

Properties	*Test Method*	*Unit*	*Typical values*
Specific weight at 20°C		g/cm³	**1,11**
Brookfield viscosity at 25°C, sp 2 rpm 20	MT-CU025V	mPa.s	**140 - 180**
Solid content	MT-CU001C	%	**54 - 58**
Reactivity	at 20°C + 1% MEKP50		
Gel time	RS.08.G	minutes	**45 - 50**
Delta	RS.08.G	minutes	**17 - 30**
Exothermic peak	RS.08.G	°C	**115 - 130**
Shelf life at 23°C in the dark	MT-CU002S	months	**3**

PROPERTIES OF THE CURED UNREINFORCED RESIN

Curing cycle	24h at 23°C + 2h at 100°C + 1h at 100°C		
Tensile strength	ISO 527 (2012)	MPa	**72**
Tensile modulus	ISO 527 (2012)	MPa	**3600**
Elongation at break	ISO 527 (2012)	%	**3,5**
Flexural strength	ISO 178/B (2010)	MPa	**125**
Flexural modulus	ISO 178/B (2010)	MPa	**3600**
HDT	ISO 75 -2A (2013)	°C	**85**
Glass transition	ASTM E 1545 (2011)	°C	**95**
Barcol hardness at 25°C	ASTM D 2583 (2007)	units	**45**

The information contained in this document (which is to be intended only for explanatory purposes) is correct and accurate and is based on our technical and scientific knowledge and on literature at the date of publication. Such information relates only to use of the products in the pure state and for the purposes stated herein. Nothing in the information contained in this document shall be deemed to be a warranty or a representation (explicit or implicit) by the manufacturer, and/or taken or construed as infringing of any existing patents. The manufacturer shall not be under any liability or responsibility for any of the information provided under this document or for any errors, omissions or misstatements, even with regard to results to be obtained through the use of the aforesaid information.