

DISTITRON® 436 T100

First Emission: 06/04/2006

Version: 05, 01/09/2016

Product type

Unsaturated polyester resin in styrene, Orthophthalic

Appearance

Bluish - Light - Opalescent

Main resin characteristics

With antifoaming additive, Clear, unaccelerated, Thixotropic

Main applications

Buttons

Moulding informations

Casting (rods)

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

<i>Properties</i>	<i>Test Method</i>	<i>Unit</i>	<i>Typical values</i>
Specific weight at 20°C		g/cm ³	1,12
Brookfield viscosity at 25°C, sp 3 rpm 20	MT-CUT25V	mPa.s	2500 - 4200
Solid content	MT-CU001C	%	70 - 74
Reactivity	at 25°C + 0,6% Co 1% + 1% MEKP50		
Gel time	RS.08.G	minutes	7 - 11
Delta	RS.08.G	minutes	16 - 23
Exothermic peak	RS.08.G	°C	115 - 145
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	35
Tensile modulus	ISO 527 (2012)	MPa	1800
Elongation at break	ISO 527 (2012)	%	11,0
HDT	ISO 75 -2A (2013)	°C	39
Glass transition	ASTM E 1545 (2011)	°C	47
Barcol hardness at 25°C	ASTM D 2583 (2007)	units	32

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.