

## DISTITRON® 450 GU

First Emission: 01/10/2013

Version: 04, 02/01/2017

### Product type

Unsaturated polyester resin in styrene, Orthophthalic

### Appearance

White

### Main resin characteristics

Low styrene emission, Low exothermic peak, Good adhesion to PMMA,  
With catalyst indicator, Pigmented, Preaccelerated, Thixotropic

### Main applications

Furnitures and sanitary

### Moulding informations

Hand lay up and Spray up,  
Mix with fillers and/or additives

### 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,  
As the resin includes a film-forming agent, we recommend that the laminate should first rubbed down before bonding or relaminating.,  
Read carefully the Safety Data Sheet

### Note

## FEATURES OF THE LIQUID RESIN

Properties	Test Method	Unit	Typical values
Specific weight at 20°C		g/cm <sup>3</sup>	1,11
Brookfield viscosity at 25°C, sp 2 rpm 20	MT-CUT25V	mPa.s	230 - 360
Solid content	MT-CU001C	%	56 - 60
Reactivity	at 25°C + 1,2% MEKP50		
Gel time	RS.08.G	minutes	8 - 11
Delta	RS.08.G	minutes	11 - 16
Exothermic peak	RS.08.G	°C	120 - 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	40
Tensile modulus	ISO 527 (2012)	MPa	2800
Elongation at break	ISO 527 (2012)	%	1,7
Flexural strength	ISO 178/B (2010)	MPa	90
Flexural modulus	ISO 178/B (2010)	MPa	2700
HDT	ISO 75 -2A (2013)	°C	56
Glass transition	ASTM E 1545 (2011)	°C	67
Barcol hardness at 25°C	ASTM D 2583 (2007)	units	36

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