

DISTITRON® 814 KV20

First Emission: 11/09/1998

Version: 16, 02/01/2017

Product type

Unsaturated polyester resin in styrene, Tetrahydrophthalic

Appearance

Yellow - Transparent

Main resin characteristics

Preaccelerated

Main applications

Mastics

Moulding informations

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

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 ³	1,15
Brookfield viscosity at 25°C, sp 3 rpm 20	MT-CU025V	mPa.s	1700 - 2100
Solid content	MT-CU001C	%	66 - 70
Reactivity	at 20°C + 3% PBO50		
Gel time	RS.08.G	min:sec	8:30 - 10:30
Delta	RS.08.G	minutes	4:00 - 7:30
Exothermic peak	RS.08.G	°C	170 - 190
Acidity	MT-CU001I	mgKOH/g	11 - 17
Shelf life at 23°C in the dark	MT-CU002S	months	6

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	65
Tensile modulus	ISO 527 (2012)	MPa	3500
Elongation at break	ISO 527 (2012)	%	3,0
Flexural strength	ISO 178/B (2010)	MPa	120
Flexural modulus	ISO 178/B (2010)	MPa	3400
HDT	ISO 75 -2A (2013)	°C	72
Barcol hardness at 25°C	ASTM D 2583 (2007)	units	42

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