

POLYNT 4350 WF

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Product type

Unsaturated polyester resin in styrene, Isophthalic

Appearance

Yellow - Dark - Transparent

Main resin characteristics

Clear, unaccelerated, Resin suitable to produce plastic materials and articles intended to come into contact with food according to Commission Regulation EU N.10/2011, Type 1100 (DIN 16946-2)

Main applications

Surficial protection (liner, top coat)

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

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	1,1
Brookfield viscosity at 25°C, sp 2 rpm 20	MT-CU025V	mPa.s	480 - 620
Solid content	MT-CU001C	%	61 - 65
Reactivity	at 20°C + 1% Co 1% + 2% MEKP50		
20°C - 24°C	RS.03.G	minutes	7 - 19
20°C - Peak	RS.03.G	minutes	34 - 51
Exothermic peak	RS.03.G	°C	90 - 120
Acidity	MT-CU001I	mgKOH/g	9 - 15
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	35
Tensile modulus	ISO 527 (2012)	MPa	1900
Elongation at break	ISO 527 (2012)	%	32
HDT	ISO 75 -2A (2013)	°C	37
Barcol hardness at 25°C	ASTM D 2583 (2007)	units	23

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