

Technical data sheet

Standard Unsaturated Polyester Resin

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Product type Unsaturated polyester resin in styrene, Orthophthalic	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.
Appearance Pink	
Main resin characteristics Low styrene emission, pre-accelerated, thixotropic	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
Main applications General purpose	
Moulding information Hand lay-up and spray up	Note N/A

Properties of the liquid resin

Property	Test method	Unit	Standard value
Specific weight at 20°C	-	g/cm ³	1.10
Brookfield viscosity at 23°C, sp 2 rpm 50	MT-CUT23V	mPa.s	450 – 650
Solid content	MT-CU001C	%	56 - 60
Reactivity	at 23°C + 1% MEKP50	-	-
Gel time	MT-CU151R	Minutes	14 – 18
23°C - Peak	MT-CU151R	Minutes	27 – 37
Exothermic peak	MT-CU151R	°C	90 – 110
Shelf life at 23°C in the dark	MT-CU002S	Months	6

Properties of the cured unreinforced resin

Property	Test method	Unit	Standard value
Curing cycle	16 h at 40°C (+ 2 h at 120°C for HDT)		
Tensile strength	ISO 527 (2012)	MPa	57
Tensile modulus	ISO 527 (2012)	MPa	3715
Elongation at break	ISO 527 (2012)	%	2.3
Flexural strength	ISO 178 (2011)	MPa	98
Flexural modulus	ISO 178 (2011)	MPa	3630
HDT	ISO 75-2A (2013)	°C	64

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