

Technical information

Polimal® 122 -2 WTP

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Polimal® 122-2 WTP is recommended for the production of polyester – glass laminates by hand lay-up and spray lay-up.

APPLICATION

Polimal® 122-2 WTP is constructional, accelerated, thixotropic, unsaturated polyester resin on the base of isophthalic acid, with colorful curing indicator. It is characterized by very good processing and mechanical parameters. It has high thermal and water resistance.

PACKAGING

220 kg, 1100 kg

SHELF LIFE

3 months from the production date.

STORAGE

The resin should be stored in closed original containers, in dry, well ventilated and shaded warehouse compartments adapted for storage of combustible materials at a temperature below 25°C.

CURING SYSTEM

Good curing conditions are received while using : 1-2,5 % of hardener MEKP e.g. Luperox K-1S. The gel time control is reached by changing the amount of the hardener (within the range as above). Finally, curing could be optimized by post-curing at elevated temperatures.

SPECIFICATION

Parameter	Unit	Value
Viscosity (25°C) acc. ISO 3219	mPa s	240+350
Gel time (25°C) acc. ISO 2535	min	20+30
Flexural strength acc ISO 178	MPa	min 120
Tensile strength acc . ISO 527	MPa	min 80
Tensile modulus acc . ISO 527	MPa	3800
Elongation at break acc ISO 527	%	min 3,0
Heat resistance, HDT acc . ISO 75	°C	min 90
Barcol Hardness acc . ASTM D 2583	°B	> 44

Curing system: 2% MEKP medium active eg. Luperox K-1S

Mechanical parameters refer to unreinforced resin cured for 24 hours at room temperature and post-cured for 2 hours at 80 °C.

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