



PREACCELERATED POLYESTER RESIN ORTHOPHTHALIC, ACCELERATED AND THIXOTROPIC

The polyester resin with medium reactivity for general use. This polyester resin can be put in contact with foodstuffs, but for this application, it is necessary to allow 3 weeks to dry at ambient temperature, so that the styrene is well evaporated.

Even though polyester resin is a rigid resin, it is characterized by its good elasticity, what makes it suitable for the preparation of laminates which must be submitted to mechanical requirements.

Since polyester resin is a preaccelerated, thixotropic resin, it is characterized by its high strength retention, what makes the resin appropriate for vertical, inclined applications. Moreover, the resin provides an optimum fiber impregnation as well as fast curing cycle with low peak exotherm temperatures.

PHYSICAL PROPERTIES OF THE NON-POLYMERIZED RESIN

Density : 1.08-1.12 (DEV MOP 02-09)
Viscosity : 670 – 730 mPa.s (DEV MOP 02-02)
Monomer content : 44 - 46 % (DEV MOP 02-06)
Gel time : 22 – 26 minutes (DEV MOP 02-01)
Peak exotherm : 155 – 175°C (DEV MOP 02-01)

MECHANICAL PROPERTIES OF THE NON-REFERENCED BASE RESIN

(Sample of 100 g of resin catalyzed at 1.25% of P MEC 50. 24 hours of polymerization at ambient temperature + hour at 100 ° C.)

HDT : 63°C (ASTM D648)
Tg : 80°C (DIN 53445)
Elongation at break : 2.50 % (ASTM D648)
Tensile strength : 55 MPa (ASTM D648)
Flexural strength : 100 MPa (ASTM D790)
BARCOL Hardness : 45 (ASTM D2583)

APPLICATION

The polyester resin can be used for moulding, spraying or impregnation.

Add 1.5% of P MEC to the resin, mix carefully to achieve an even mixture. Apply the resin to the fabric to be impregnated. The resin impregnates glass fabrics very rapidly.

PACKING AND STORAGE

Packaging : 375 g with catalyst, 750 g with catalyst, 5 kg, 25 kg and 220 kg
Storage: 3 months in the dark and at a maximum temperature of 30°C

PRECAUTIONS FOR USE

Keep out of reach of children. Wear goggles, gloves and respiratory apparatus. Do not smoke. Work in a well ventilated area.

HEALTH AND SAFETY

See data sheet

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