

NORSODYNE O 12335 AL Unsaturated polyester resin

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APPEARANCE

Limpid liquid resin.

MAIN RESIN CHARACTERISTICS

Orthophthalic unsaturated polyester resin, low reactivity, low viscosity and pre-accelerated.

MOULDING INFORMATION

- Casting.

MAIN APPLICATIONS

- Transparent and colourless inclusions.

LIQUID RESIN PROPERTIES

Specific weight at 25°C : 1,12 g/cm³
Viscosity at 25°C : 3.3 dPa.s
Solid content : 64.5 %

Reactivity

- Method : XP019
- Test temperature : 25°C
- Catalyst system : 0,3% MEKP 50%
- Resin quantity : 400 g.
- Gel time : 30 min.
- Cure time : 100 min.
- Peak exotherm : 145°C

CURED RESIN PROPERTIES NON REINFORCED

Specific weight : 1,2 g/cm³
Tensile strength (ISO 527) : 60 MPa
Elongation at break (ISO 527) : 1,8 %
Flexural strength (ISO 178) : 90 MPa
Flexural modulus (ISO 178) : 4000 MPa
Heat deflection temperature (ISO 75A) : 72 °C
Volumetric shrinkage : 6,5 %

SHELF LIFE

4 months below 30°C, in a dry place and away from direct sunlight.

STORAGE AND HANDLING

Polyester solutions contain volatile and flammable monomers such as styrene and should be handled and used in well ventilated, flame proof areas. More information on its safety data sheet.