

NORSODYNE® S 70361 TA Unsaturated polyester resin

Version : October 2006

APPEARANCE

Opaque blue liquid resin.

MAIN RESIN CHARACTERISTICS

Isophthalic unsaturated polyester resin.
Thixotropic - Preaccelerated
LLOYD's Register of Shipping approved.

MOULDING INFORMATION

- Hand lay up - Spray up

MAIN APPLICATION

- Industrial parts

LIQUID RESIN PROPERTIES

Specific weight at 20°C : 1.10 g/cm³
Brookfield Viscosity RVT at 25°C,
spindle n°3 at 50 rpm : 6 dPa.s
Volatile content : 48 %
Reactivity :
- Methode : R 13 A
- Test temperature : 25°C
- Catalyst system : 1.5 % MEKP 50
- Gel time : 19 min
- Peak time : 30 min
- Temperature at peak : 195°C

CURED RESIN PROPERTIES NON REINFORCED

(Average values)

Mechanical properties

Tensile ISO 527 :
- Tensile strength : 60 MPa
- Elongation at break : 1.6 %
Flexural ISO 178 :
- Flexural strength : 100 MPa
- Flexural modulus : 3900 MPa

Thermomechanical properties

HDT ISO 75-2 A : 100°C

DESIGNATION (according to ISO 3672-1)

ISO 3672-1 - UP,N6,O3/V5R7

MARKING (according to ISO 11469)

>UP<

SHELF LIFE

Use within shelf life specified on the container.
Store in the shade out of direct sunlight below 25°C
Containers sealed

SAFETY PRECAUTIONS FOR HANDLING AND STORAGE

- Polyester solutions contain volatile and flammable monomers such as styrene (flash point : 32°C).
- They are subject to the Highly Flammable Liquids and Liquid Petroleum Gases Regulations 1972.
- All polyester resins should be handled and used in well ventilated, flame proof areas.
- It is preferable to wear gloves and goggles to guard against any skin/eye irritation arising from the presence of styrene. Under no circumstances must accelerators be mixed with peroxide catalysts as it can cause explosions.

This data sheet was established according to NF T 50-063