

NORSODYNE® H 13372 TAE
Unsaturated polyester resin

Version : december 2008

CURED RESIN PROPERTIES NON REINFORCED

(Average values)

Specific weight at 20°C : 1.20 g/cm³

Mechanical properties

Tensile ISO 527 :

- Tensile strength : 50 MPa

- Elongation at break : 1.5 %

Flexural ISO 178 :

- Flexural strength : 90 MPa

- Flexural modulus : 3800 MPa

Thermomechanical properties

HDT ISO 75-2 A : 65°C

Volumetric shrinkage : 7 %

DESIGNATION (according to ISO 3672-1)

ISO 3672-1 - UP,N,P1/V7R7

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.

APPEARANCE

- Opaque bluish liquid resin.

MAIN RESIN CHARACTERISTICS

Orthophthalic unsaturated polyester.

Thixotropic – Preaccelerated

Low styrene emission

LLOYD'S Register Shipping Approved.

MOULDING INFORMATION

- Hand lay up- Spray up

- As the resin includes a film-forming agent we recommend that the laminate should first be rubbed down before bonding or relaminating

MAIN APPLICATION

- Industrial parts.

LIQUID RESIN PROPERTIESSpecific weight at 20°C : 1.10 g/cm³

Brookfield Viscosity RVT at 23°C

Spindle n°2 at 50 rpm : 4.5 – 7 dPa.s

Solid content : 55 - 61 %

Reactivity :

- Method : R 151

- Test temperature : 23°C

- Catalyst system : 1.5 % MEKP 50

Test tube

- Gel time : 19 - 27 min

- Peak time : 40 - 60 min

- Temperature at peak : < 115°C

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

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