

NORSODYNE[®] H 13212 TAE

Unsaturated polyester resin

Version : September 2015

Appearance

Homogeneous pink liquid resin

Lloyd's Register Shipping Approved

WRAS Approved -- Water Regulations Advisory Scheme

Main resin characteristics

Orthophthalic unsaturated polyester

Thixotropic – Preaccelerated

Low styrene emission

Moulding information

Spray up

Other possible process

Hand lay up

Main applications

Industrial parts

Other possible applications

Shelf life and storage

- Store in the shade out of direct sunlight below 30°C in sealed containers
- The shelf-life will be reduced if the resin is exposed to higher temperatures
- Use within shelf life specified on the container.

For tanker deliveries the shelf-life is 3 months after delivery date

Precautions for handling

Please find the current SDS on internet www.ccpcomposites.com

Characteristics, Methods and Conditions	Values (Average values)
Liquid properties -Specific gravity at 20 °C : -Viscosity (dPa.s) : V25 -Solid content (%) : PC53 -Reactivity :	1.10 g/cm ³ Brookfield at 23°C 4.5 – 6.5 56 - 60 M2V50 Méthod : R151 (tube test) Test temperature : 23 °C Catalyst system : 1.5 % MEKP 50 Gel time : 14 - 18 min Peak time : 27 - 37 min Peak temperature : 90 - 110 °C
Mechanical properties (cured resin non reinforced) -Specific gravity at 20 °C : -Volumetric shrinkage (%) : Post cure (16hrs at 40 °C) -Tensile ISO 527 (1999) -Tensile Modulus (MPa) : -Tensile strength (MPa) : -Elongation at break (%) : -Flexural ISO 178 (2003) -Flexural strength (MPa) : -Flexural modulus (MPa) :	1.20 g/cm ³ 7 3715 57 2.3 98 3630
Thermomechanical properties (cured resin non reinforced) -HDT ISO 75-2 A (1999) (°C):	58 (2hrs at 120°C)

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