

NORSODYNE® 6311
Unsaturated Polyester Resin

APPEARANCE

Clear straw yellow liquid resin

MAIN RESIN CHARACTERISTICS

Orthophthalic unsaturated polyester
Low reactivity
Non-accelerated
Non-thixotropic
High flexibility
High elongation
High tenacity
Low water absorption

MOULDING INFORMATION

Hand lay up
Spray lay up

MAIN APPLICATION

General moulding. Blending with other polyesters to improve flexibility and impact resistance
Flexible composites.

LIQUID RESIN PROPERTIES

(Typical values)

Rot thinner viscosity at 25°C: 8 – 12 dPa.s
Volatile content: 26 – 30%
Reactivity at 25°C, 1% Cobalt (1%), 4% MEKP 50
Gel time: 8 – 15 minutes

CURED RESIN PROPERTIES

NON REINFORCED

(Typical values)

Tensile ISO 527
-strength: 10 MPa
-elongation at break: 65%

SHELF LIFE

6 months

GUIDELINES BEFORE USE

Materials should be conditioned to a reasonable temperature (15°C minimum) prior to use. Resin should be agitated before use.

For further information please consult our Application Guide.

SAFETY PRECAUTIONS FOR HANDLING AND STORAGE

FOR FULL DETAILS PLEASE REFER TO SDS,

Polyester resins contain styrene monomer, classified as **HARMFUL** by inhalation and **IRRITATING** to eyes and skin. With a flash point **below 32°C**, polyester resins are classified with the proper shipping name 'resin solution, flammable' as determined by ADR Marginal 2301 Item 54. The current UK EH40 styrene occupational exposure limit is a MEL of 100ppm (8 hr TWA). And there is an industry, voluntary code of practice to work below 50 ppm. The Environmental Protection Act (1990,1995) must also be complied with. Resins should be stored cool, away from direct sunlight in closed containers. When stored in bulk, adequate venting of tanks is recommended together with a storage temperature not exceeding 20°C.