

### **NORSODYNE O 13155 AL** **Unsaturated polyester resin**

U13155AL

Version: **March 2007**

#### **APPEARANCE**

Transparent blue liquid resin.

#### **MAIN RESIN CHARACTERISTICS**

Orthophthalic unsaturated polyester resin, low reactivity, medium viscosity, preaccelerated, light-stabilised.

#### **MOULDING INFORMATION**

- Hand lay-up
- UV curing

#### **MAIN APPLICATIONS**

- Surfboards

#### **LIQUID RESIN PROPERTIES**

Specific weight at 25°C : 1,12 g/cm<sup>3</sup>  
Viscosity at 25°C : 5,5 dPa.s  
Solid content : 64 %

#### Reactivity

- Method : PI/01-1
- Test temperature : 25°C
- Catalyst system : 1% MEKP 50%
- Resin quantity : 100 g.
- Gel time : 7 min.
- Cure time : 18 min.
- Peak exotherm : 160°C

#### **CURED RESIN PROPERTIES NON REINFORCED**

Specific weight : 1,20 g/cm<sup>3</sup>  
Tensile strength (ISO 527) : 51 MPa  
Elongation at break (ISO 527) : 2,1 %  
Flexural strength (ISO 178) : 110 MPa  
Flexural modulus (ISO 178) : 4000 MPa  
Heat deflection temperature (ISO 75A) : 62 °C  
Volumetric shrinkage : 6 %

#### **SHELF LIFE**

6 months below 25°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.