

### **NORSODYNE I 13335 A** Unsaturated polyester resin

U13335A

Version: January 2007

#### **APPEARANCE**

Green clear liquid resin.

#### **MAIN RESIN CHARACTERISTICS**

Orthophthalic unsaturated polyester resin with low viscosity, medium reactivity, low exothermic peak and preaccelerated.

#### **MOULDING INFORMATION**

- RTM
- Injection
- Infusion

#### **MAIN APPLICATIONS**

- Industrial parts
- Transport

#### **LIQUID RESIN PROPERTIES**

Specific weight at 25°C : 1,1 g/cm<sup>3</sup>  
Viscosity, 25°C : 1.5 dPa.s  
Solid content : 56 %

#### Reactivity

- Method : PI/01-1
- Test temperature : 25°C
- Catalyst system : 2% PAA
- Resin quantity : 100 g.
- Gel time : 28 min.
- Cure time : 38 min.
- Peak exothermic : 110°C

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

Specific weight : 1,20 g/cm<sup>3</sup>  
Tensile strength (ISO 527) : 62 MPa  
Elongation at break (ISO 527) : 2 %  
Flexural strength (ISO 178) : 99 MPa  
Flexural modulus (ISO 178) : 4000 MPa  
Heat deflection temperature (ISO 75A) : 62 °C  
Volumetric shrinkage : 7 %

#### **SHELF LIFE**

4 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.