

NORSODYNE® G 703 Unsaturated polyester resin

Version : November 2002

APPAREANCE

- Limpid liquid resin.

MAIN RESIN CHARACTERISTICS

Isophthalic unsaturated polyester resin.
Low viscosity - Medium reactivity.
Heat resistance - hydrolitic stability and chemical resistance characteristics.
LLOYD's Register of Shipping approved.

MOULDING INFORMATION

- Hand lay up-Spray up
- RTM - Pultrusion
- Rotation – Filament winding

MAIN APPLICATIONS

- Tanks.
- Navigation.
- Industrial parts

LIQUID RESIN PROPERTIES

Specific weight at 20°C	: 1.08 g/cm ³
Viscosity Brookfield at 25°C	
M2V50	: 3.2 dPa.s
Solid content	: 55.5 %
Reactivity :	
- Methode	: R 01
- Test temperature	: 25°C
- Catalyst system	: 1.2 % MEKP 50 : 0.15 % Cobalt 6 %
- Resin quantity	: 50 g
- Gel time	: 10 min

CURED RESIN PROPERTIES NON REINFORCED

(Average values)

Specific weight at 20°C	: 1.17 g/cm ³
Mechanical properties	
Tensile ISO 527 :	
- Tensile strength	: 70 MPa
- Elongation at break	: 2.2 %
Flexural ISO 178 :	
- Flexural strength	: 120 MPa
- Flexural modulus	: 3600 MPa
Thermomechanical properties	
HDT ISO 75-2 A	: 103°C
Volumetric shrinkage	: 7.5 %

DESIGNATION (according to ISO 3672-1)

ISO 3672-1 - UP,N3,C/V2R6

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 peroxyde catalyts as it can cause explosions.

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