



NORSODYNE[®] C 55377 AL

Unsaturated polyester resin

Version : June 2013

Appearance

Clear pinky liquid resin

Main resin characteristics

Isophthalic neopentylglycol unsaturated polyester resin with acrylic monomers
Light / UV stabilized.

Moulding information

Casting

Main applications

High Solid Surface Marble

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.

Other possible process

Resin for Solid Surface Application. Use of this resin requires a specific application machine.

It must also be associated with a particularly precise filler content
Technical documentation on application is available on request, we strongly recommend that you should read before this before use

Other possible applications

Precautions for handling

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

Characteristics, Methods and Conditions	Values (Average values)
Liquid properties	
-Specific weight at 20 °C :	1.12 g/cm ³
-Viscosity (dPa.s) : V23	Brookfield at 23 °C
	Spindle 3 Speed 20 rpm :
	10 - 12
	26 - 30
-Styrene content (%) : PC45	
-Reactivity :	
	Method : R 151 (tube test)
	Test temperature : 23°C
	Catalyst system : 1.5 % MEKP 50
	Gel time : 10 – 12 min
	Peak time : 25 – 31 min
	Peak temperature : 125 – 145°C
Mechanical properties (cured resin non reinforced)	
-Specific weight at 20 °C :	1.20 g/cm ³
Post cure (16hrs at 40 °C and 2hrs at 90 °C)	
-Tensile ISO 527 (1999)	
-Tensile Modulus (MPa) :	3520
-Tensile strength (MPa) :	70
-Elongation at break (%) :	4
-Flexural ISO 178 (2003)	
-Flexural strength (MPa) :	140
-Flexural modulus (MPa) :	4150
Thermomechanical properties (cured resin non reinforced)	
-HDT ISO 75-2 A (1999) (°C):	67 (2hrs at 120°C)