



# NORSODYNE<sup>®</sup> H 36338

## Unsaturated polyester resin

Version : May 2013

### Appearance

Limpid yellow liquid resin

### Main resin characteristics

Isophthalic unsaturated polyester resin  
High viscosity – High reactivity  
Semi-Flexibilising resin

### Moulding information

Hand lay up

### Main applications

Industrial parts

### 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

Pultrusion

### Other possible applications

### Precautions for handling

Please find the current SDS on internet

[www.ccpcomposites.com](http://www.ccpcomposites.com)

Characteristics, Methods and Conditions	Values (Average values)
<b>Liquid properties</b> -Specific weight at 20 °C : -Viscosity (dPa.s) : V23 -Solid content (%) : PC53 -Reactivity :	1.10 g/cm <sup>3</sup> Brookfield at 23 °C 8 - 10 53 – 57
Spindle 3 Speed 50rpm :	
Method :	R152 (tube test)
Test temperature :	23 °C
Catalyst system :	1.5 % MEKP 50 1.2 % Cobalt at 1%
Gel time :	34 - 40 min
Peak time :	42 - 52 min
Peak temperature :	145 - 165 °C
<b>Mechanical properties</b> (cured resin non reinforced)  <b>Post cure (16hrs at 40 °C + 2hrs at 90°C)</b> -Tensile ISO 527 (1999) -Tensile Modulus (MPa) : -Tensile strength (MPa) : -Elongation at break (%) :	3633 70 4,1
-Flexural ISO 178 (2003) -Flexural strength (MPa) : -Flexural modulus (MPa) :	112 3125
<b>Thermomechanical properties</b> (cured resin non reinforced) -HDT ISO 75-2 A (1999) (°C):	93 (2hrs at 120°C)