

**Technical data sheet** 

## EASYLAM<sup>®</sup> LSE Unsaturated polyester resin

Version : April 2015

Appearance	
Homogeneous beige liquid resin	

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Medium reactivity Thixotropic - Pre-accelerated Reduced styrene emission to atmosphere during processing and curing (BS 2782 Method 432D)

Moulding information Spray-up

Main applications Industrial mouldings

## Shelf life and storage

Precautions for handling

Other possible applications

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

Other possible process

Hand lay-up

- Store in the shade out of direct sunlight below 30  $\ensuremath{\mathbb{C}}$  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

Characteristics, Methods and	Conditions	Values (Average values)		
Liquid properties				
-Specific weight at 20 °C :		g/cm3		
-Viscosity (dPa.s ): V25		Brookfield at 23 °C		
	Spindle 2 Speed 50rmp :	4.5 - 7.5		
-Solid content (%) : PC53		69 - 74		
-Reactivity :				
	Méthod :	R 151 (Tube test)		
	Test temperature :	23 °C		
	Catalyst system :			
	Gel time :			
	Peak time :	30 - 42 Min		
	Tempertaure at peak :	70 - 90℃		
Mechanical properties				
(cured resin non reinforced)				
Post cure (16hrs at 40 °C and 2hrs at 90°C)				
-Tensile ISO 527 (1999)	-			
-Tensile Modulus (MPa) :		3550		
-Tensile strength (MPa) :		45		
-Elongation at break (%) :		1.55		
-Flexural ISO 178 (2003)				
-Flexural strength (MPa) :		90		
-Flexural modulus (MPa) :		3500		
Thermomechanical properties	i			
(cured resin non reinforced)				
-HDT ISO 75-2 A (1999) (℃):		65 (2hrs at 120℃)		

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