

## TECHNICAL DATA SHEET

### CS20 Polyester Fibreglass Resin

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#### DESCRIPTION

CS20 Polyester Fibreglass Resin is an Opaque pink-purple liquid resin

#### MAIN RESIN CHARACTERISTICS

Orthophthalic unsaturated polyester

Thixotropic – Preaccelerated

Low reactivity

Low styrene emission

LLOYD's Register of Shipping approved

Det Norske Veritas approved

Water Byelaws Scheme approved (in conjunction with suitable gel coat)

#### MOULDING INFORMATION

Hand lay up

Spray up

#### MAIN APPLICATION

General moulding

#### LIQUID RESIN PROPERTIES

(Typical Values)

Specific gravity at 25 °C:	1.09
Rotoviscometer viscosity at 25 °C:	2.3-2.7 dPa.s
Volatile content:	42-46%
Reactivity at 20 °C:	2 % MEKP 50
Gel time:	16-20 minutes

#### CURED RESIN PROPERTIES

##### NON REINFORCED

(Typical values)

Tensile ISO 527	
- Strength	56 MPa
- Modulus	3800 MPa
- Elongation at break	2.6%
Flexural ISO 178	
- Strength	78 MPa
- Modulus	3900 MPa
HDT ISO 75-2 A:	62 °C
Barcol Hardness:	40-45 (Barcol 934-1)

#### SHELF LIFE

6 Months

#### GUIDELINES BEFORE USE

Materials should be conditioned to a reasonable temperature (15 °C minimum) prior to use. Resin should be agitated before use.

For further information please consult our Application Guide.

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### SAFETY PRECAUTIONS FOR HANDLING AND STORAGE

FOR FULL DETAILS PLEASE REFER TO SDS:

Polyester resins contain styrene monomer, classified as HARMFUL by inhalation and IRRITATING to eyes and skin. With a flash point below 32 °C, polyester resins are classified with the proper shipping name 'resin solution, flammable' as determined by ADR Marginal 2301 Item 54. The current UK EH40 styrene occupational exposure limit is a MEL of 100ppm (8 hour TWA). And there is an industry, voluntary code of practice to work below 50ppm. The Environmental Protection Act (1990, 1995) must also be complied with. Resins should be stored cool, away from direct sunlight in closed containers. When stored in bulk, adequate venting of tanks is recommended together with a storage temperature not exceeding 20 °C.

The technical data contained herein is based on our present knowledge and we experience and we cannot be held liable for any errors, inaccuracies, omissions or editorial failings that result from technological changes or research between the date of issue of this document and the date the product is acquired.

Before using the product, the user should carry out any necessary tests in order to ensure that the product is suitable for the intended application.

Moreover, all users should contact the seller or the manufacturer of the product for additional technical information concerning its use if they think that the information in their possession needs to be clarified in any way, whether for normal use or a specific application of our product.

Our guarantee applies within the context of the statutory regulations and provisions in force, current professional standards and in accordance with the stipulations set out in our general sales conditions.

The information detailed in the present technical data sheet is given by way of indication and is not exhaustive. The same applies to any information provided verbally by telephone to any prospective or existing customer.