

ENYDYNE® 30
Unsaturated Polyester Resin
Dicyclopentadiene modified

Version : April 2005

APPEARANCE

Opaque light amber liquid resin

MAIN RESIN CHARACTERISTICS

Thixotropic – Preaccelerated
Lower Styrene Content – Low styrene emission
Medium reactivity
Water Byelaws Scheme approved (in conjunction with suitable gel coat)
Overall reduction in styrene emission during processing

MOULDING INFORMATION

Hand lay up
Spray up

MAIN APPLICATION

General moulding

LIQUID RESIN PROPERTIES

(Typical values)

Rotoinner Viscosity at 25°C:	2.3 – 2.8 dPa.s
Reactivity at 20°C , 2% MEKP 50	
Gel time:	16 – 20 minutes
Styrene content:	39 – 43%

CURED RESIN PROPERTIES

NON REINFORCED

(Typical values)

Tensile ISO 527	
- strength:	50 MPa
- elongation at break:	1.8%
Flexural ISO 178	
- strength:	80 MPa
- modulus:	4000 MPa
HDT ISO 75-2 A:	63°C
Barcol Hardness:	40 – 45 (Barcol 934-1)

SHELF LIFE

3 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.

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 hr TWA). And there is an industry, voluntary code of practice to work below 50 ppm. 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 information contained herein is based upon our own research and is intended to assist customers in determining whether our products are suitable for their specific applications. The user is required to check the quality, safety and suitability of our product prior to use. Starting point formulations and suggestions for use are given as guidance only and are made without warranty. Nor should it be construed as permission, inducement or recommendation to practise any invention covered by patent without authority from the owner thereof.