UPEX 081357 (ENYDYNE I 69473A)
Unsaturated polyester resin

Version : april 2009

APPAREANCE
Limpid ambercoloured liquid resin.

MAIN RESIN CHARACTERISTICS

DCPD unsaturated polyester resin
Orthophthalic (dicyclopentadiène)
Low viscosity – medium reactivity
Very good glass wet-out
LSE Low Styrene Emission
Reduced fibre print trough

MOULDING INFORMATION

- Injection - RTM

MAIN APPLICATIONS

- Industrial parts

LIQUID RESIN PROPERTIES

Specific weight at 20°C	: 1.2 g/cm^3
Viscosity at 25°C	: 1.3 dPa.s
Solid content	: 59 %
Reactivity :	
- Methode	: R 151
- Test temperature	: 23°C
- Catalyst system	: 1.5 % MEKP 50 %
- Resin quantity	: 100 g
- Gel time	: 36 min
- Peak time	: 49 min
- Temperature at peak	: 135 °C

CURED RESIN PROPERTIES NON REINFORCED
(Average values)

Mechanical properties

Specific weight at 20°C	: 1.20 g/cm^3
Tensile ISO 527 :	
- Tensile strength	: 45 MPa
- Elongation at break	: 1.5 %
Flexural ISO 178 :	
- Flexural strength	: 80 MPa
- Flexural modulus	: 3000 MPa
Thermomechanical properties	
HDT ISO 75-2 A	: 85°C

DESIGNATION (according to ISO 3672-1)
ISO 3672-1 - UP,N6,O3/V7R7

MARKING (according to ISO 11469)
>UP<

SHELF LIFE
Use within shelf life specified on the container.
Store in the shade out of direct sunlight below 25 °C
Containers sealed

SAFETY PRECAUTIONS FOR HANDLING AND STORAGE
- Polyester solutions contain volatile and flammable monomers such as styrene (flash point:32 °C)
- They are subject to the Highly Flammable Liquids and Liquid Petroleum Gases Regulations 1972.
- All polyester resins should be handled and used in well ventilated, flame proof aeras.
- It is preferable to wear gloves and goggles to guard against any skin/eye irritation arising from the presence of styrene. Under no circumstances must accelerators be mixed with peroxyde catalysts as it can cause explosions.

This data sheet was established according toNF T 50-063

CRAY VALLEY – City Défense 16-32 Rue Henri Regnault – F92902 Paris la Défense **- Tél. : (33) 01 47 96 98 50 - Fax : (33) 01 47 96 99 81**
Bureau Commercial F-62320 DROCOURT - Tél : (33) 03 21 74 84 80 - Fax : (33) 03 21 75 02 41
www.crayvalley.com