



Resilient Polyester Resin for Hand Lay-up

Description :

ETERSET 3030 is a thixotropic, prepromoted resilient polyester containing no wax.

Performance :

- Offers high impact strength.
- Provides medium-fast cure.
- Gives good wet-out.
- Has good strength in laminates.
- Has medium thixotropic index.

Suggested Uses :

General purpose hand lay-up of small parts.

SPECIFICATIONS

Appearance	Pink turbid
Styrene monomer content, %	37.5 - 41.5
Viscosity (Brookfield spindle #3, 60rpm, at 25°C), cps	350 - 450
Thixotropic index (Brookfield spindle #3, 6/60rpm, at 25°C)	1.0 - 2.0
Acid value, mg KOH/g resin	17 - 27

TYPICAL PERFORMANCE DATA

(for guidance only)

Typical Curing Characteristics:

Room temperature cure at 25°C, 1.0% MEKPO (55%)

Gel time, mins.	17
Total time to peak exotherm, mins.	29
Peak exotherm temperature, °C	150

Typical Physical Properties :

Clear casting, ETERSET 3030	
Barcol (934-1) hardness	41
Tensile strength, kgf/mm ² (ASTM D 638)	6.0
Elongation, % (ASTM D 638)	2.3
Flexural strength, kgf/mm ² (ASTM D 790)	11
Flexural modulus, kgf/mm ² (ASTM D 790)	300
Heat deflection temperature, °C	67
Glass Fiber Laminates (450g/m ² 3 layers)	
Tensile strength, kgf/mm ² (ASTM D 638)	11.6
Flexural strength, kgf/mm ² (ASTM D 790)	17.6
Flexural modulus, kgf/mm ² (ASTM D 790)	730
Fiber content, %	30

Recommended Storage:

Typical storage life at temperature below 25°C is three months. Storage life decreases with increasing temperature. Avoid exposure to heat sources such as direct sunlight or steam pipes. Keep containers sealed to prevent moisture pick-up and monomer loss. Agitate before using.

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