

Polyester Laminating Resin 475

Description

Polyester Laminating Resin 475 is a thixotropic, low viscosity, prepromoted, resilient polyester of low styrene emission type.

Features and benefits.

- Offers high impact strength
- Provides medium fast cure with low shrinkage
- Offers superior wet-out, and mechanical properties
- Has relatively high thixotropic index to minimise drainage
- Lloyds approval for use on boats and yachts
- Low styrene emission with colour change indicator

Storage

Product to be stored in a cool, dry place. Store below 25°C. Product is a Class 3 flammable liquid 3 [y] UN No: 1866

Suggested Application

Middle laminating for smaller parts requiring multiple layers by hand lay up and spray-up.
 Application: small boats and yachts, silo tops, water tanks etc.

Typical Analysis

Appearance	Purple-Red
Styrene monomer content, %	42-46
Viscosity – Brookfield LVT, #3 spindle. At 30rpm, cps	500-600
Thixotropic index at 25°C, 1.0% MEKPO (50%)	2.5 – 3.5

Typical Curing Characteristics

Room temperature cured at 25°C, 1.0% MEKPO (50%)	
Gel time, minutes	20
Total time to peak exotherm, minutes	36
Peak exotherm temperature, °C	120°C

Typical Physical Properties of Cured Castings

Barcol Hardness	40
Elongation, %	2.0
Heat distortion temperature, °C	67
Water absorption, mg	35

Glass Fibre Laminate

Fibre content, %	25
Flexural strength, MPa	25
Flexural modulus, Gpa	8.01
Tensile strength, MPa	81.40
Tensile modulus, Gpa	7.82
Water absorption, mg	24