

POLYLITE[®] 32737-00

Polyester Finishing Resin

DESCRIPTION

Polylite 32737 is a clear finishing resin designed specifically for surfacing surfboards, sailboards, boats, etc. This resin will cure in air to a hard, tack-free, moisture-resistant surface.

Polylite 32737 is non-air-inhibited and light stabilized. It is rigid, with low reactivity, low viscosity, and prepromoted to cure at room temperature with the addition of methyl ethyl ketone peroxide.

FEATURES

- Contains a surfacing agent
- UV-stabilized
- Specially promoted
- Manufactured using statistical process and quality controls

BENEFITS

- Cures to a hard, tack-free surface
- Minimal yellowing
- Transparent, water-white cured color
- Long gel time to allow removal of brush marks
- Consistent performance, batch to batch

SIMILAR RESINS

- PolyLite 32738
- Premium glossing/surfacing resin with no surfacing agents

TYPICAL LIQUID PROPERTIES¹ @ 25°C

Gel Time (with 1 cc Superox 46709 per 100 g resin), mins.	12 - 15
Total Cure Time, mins.	28 - 36
Peak Exotherm, °F	290 - 320
Viscosity (Brookfield LVF#3 @ 60), cps.	375 - 450
Non-Volatiles, %	58 - 64
Specific Gravity	1.1 - 1.15
Flash Point (Seta closed cup), °C {°F}	31.6 {89}
Shelf Life (minimum), months	3
Color	clear purple

¹ Properties reported in this bulletin are typical of those obtained in controlled laboratory tests and may vary.

TYPICAL MECHANICAL PROPERTIES

	ASTM TEST METHOD	CLEAR CASTING
Barcol Hardness	D-2583	40 - 45
Heat Distortion Temperature, °C {°F}	D-648	70 {158}
Flexural Strength, psi	D-790	13,000
Flexural Modulus, x 10 ⁶ psi	D-790	5.5 - 6
Tensile Strength, psi	D-638	8,800
Compressive Strength (break), psi	D-695	20,000

CURE CONDITIONS Initiated with 1.0 cc Superox 46709 per 100 grams resin, cured overnight at room temperature, and post-cured for 2 hours at 250°F. Properties reported in this bulletin are based on initiating with Superox 46709, a Reichhold MEKP. Use of another initiator may result in different properties.

STORAGE

To ensure maximum stability and maintain optimum resin properties, resins should be stored in closed containers at temperatures below 75°F (25°C) and away from heat sources and sunlight. All storage areas and containers should conform to local fire and building codes. Drum stock should be stored away from all sources of flame or combustion. Inventory levels should be kept to a reasonable minimum with first-in, first-out stock rotation.

Additional information on handling and storing unsaturated polyesters is available in Reichhold's application bulletin "Bulk Storage and Handling of Unsaturated Polyester Resins." For information on other Reichhold resins or initiators, contact your sales representative or authorized Reichhold distributor.

STANDARD PACKAGE

Non-returnable 55-gallon metal drums (500 lbs. net) or 40,000-44,000-lb. tank truck.

SAFETY

READ AND UNDERSTAND THE MATERIAL SAFETY DATA SHEET BEFORE WORKING WITH THIS PRODUCT

Obtain a copy of the material safety data sheet on this product prior to use. Material safety data sheets are available from your Reichhold sales representative. Such information should be requested from suppliers of any chemical and understood prior to working with the material.

DIRECTLY MIXING ANY ORGANIC PEROXIDE WITH A METAL SOAP, AMINE, OR OTHER POLYMERIZATION ACCELERATOR OR PROMOTER WILL RESULT IN VIOLENT DECOMPOSITION.

TECHNICAL SUPPORT

Reichhold's technical support staff has extensive practical experience with polyesters and manufacturing techniques. Please do not hesitate to request our assistance through your sales representative.

Copies of test methods used to determine reported properties are available through your Reichhold sales representative.
