PRODUCT BULLETIN

April 2018

POLYLITE® 32737-00

Polyester Finishing Resin

DESCRIPTION

POLYLITE® 32737-00 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® 32737-00 is non-air-inhibited and light stabilized. It is rigid, with low reactivity, low viscosity, and pre-promoted to cure at room temperature with the addition of methyl ethyl ketone peroxide.

BENEFITS & FEATURES

- Batch-to-batch consistency and uniformity from production utilizing Statistical Process Control (S.P.C) & Statistical Quality Control (S.Q.C) techniques
- Cures to a hard, tack-free surface due to the content of a surfacing agent
- Minimal yellowing due to UV-stability
- Specially promoted to produce transparent, water-white cured color and long gel time to allow removal of brush marks

PROPERTIES – LIQUID

Property(1)	**Unit**	**32737-00**
Appearance	-	Clear Purple
NVM	%	61
Viscosity(2)	cps	413
Gel Time(3)	minutes	14
Total Cure Time	minutes	33
Peak Exotherm	°C/°F	141/286
Specific Gravity	-	1.12
Flash Point (Seta Closed Cup)	°C/°F	31.6/89

1) All properties at 25°C/77°F unless otherwise noted
2) Brookfield Viscometer LVF Spindle #3 at 60 RPM
3) 1 cc United Initiator MEKP-900 per 100 g resin

PROPERTIES – PHYSICAL

Property[1]	Unit	Neat Resin Casting[2]	Test Method
Tensile Strength	psi	8,000	ASTM D 638
Tensile Modulus	psi	663,000	ASTM D 638
Tensile Elongation	%	1.39	ASTM D 638
Flexure Strength	psi	16,000	ASTM D 790
Flexure Modulus	psi	661,000	ASTM D 790
Compression Strength	psi	22,000	ASTM D 695
Heat Deflection Temperature	°C/°F	66/151	ASTM D 648
Hardness, Barcol Model 934-1	HB	46	ASTM D 2583

1) Physical properties were determined using internal Polynt test methods that are similar to those listed above.
2) United Initiators MEKP-900, 1 cc per 100 g resin, cured 16 hrs. @ 73°F; Post cure MEKP 2 hrs. @ 150°F, 2 hrs. @ 250°F

APPLICATION

Each user must determine the suitability of this product to his/her particular mode of operation and intended end-use application. A Polynt representative will be available to assist in the proper selection of all Polynt-Reichhold products available for commercial use.

SHELF LIFE & STORAGE

The shelf life of POLYLITE® 32737-00 is 120 days from the date of manufacture from Polynt. To maximize usage life and maintain optimum properties, resins and gel coats should be stored in the original closed container at temperatures below 23°C/73°F and away from ignition sources and sunlight. Keep containers sealed to prevent moisture pick-up and monomer loss.

SAFETY & WARRANTY

To receive a copy of our safety and warranty information, please email safetyandwarranty@polynt.com.