PRODUCT BULLETIN

October 2018

POLYLITE® 32130 Series

Cultured Marble Resin

DESCRIPTION

POLYLITE® 32130 is a series of resilient, low reactivity, medium viscosity, orthophthalic casting resins. These unsaturated polyester resins are pre-promoted for curing at room temperature with a methyl ethyl ketone peroxide initiator.

Resins in this series are versatile enough to make large or small castings, vanities, and tubs. When properly mixed, initiated, and gel coated, vanities made with POLYLITE® 32130 will exceed ICPA* and ANSI** thermal shock standards

**International Cast Polymers Alliance of ACMA, Arlington, VA*
***American National Standards Institute, New York, NY*

BENEFITS & FEATURES

- Batch-to-batch consistency and uniformity from production utilizing Statistical Process Control (S.P.C) & Statistical Quality Control (S.Q.C) techniques
- Controlled shrinkage, allowing production of large parts without cracking due to low exotherm
- Specially promoted for short production cycles and controlled gel and cure drift

PROPERTIES – LIQUID

Property(1)	Unit	32130-21	32130-26	32130-30	32130-40	32130-45
Liquid Color	-	Purple	Purple	Purple	Purple	Purple
Cured Color	-	Pink/Amber	Pink/Amber	Pink/Amber	Pink/Amber	Pink/Amber
NVM	%	70.5	72	72	71	71
Viscosity(2)	cps	1,550	1,750	1,750	1,750	1,500
Gel Time(3)	minutes	19	28	32	21	21
Gel to Peak	minutes	22.5	20	23	19	21.5
Peak Exotherm	°C/°F	121/250	121/250	121/250	120/248	121/250
Specific Gravity	-	1.14	1.14	1.14	1.14	1.14
Flash Point (Seta Closed Cup)	°C/°F	32/89	32/89	32/89	32/89	32/89

1) All properties at 25°C/77°F unless otherwise noted
2) Brookfield Viscometer LV Spindle #3 at 30 RPM
3) 1.25% MEKP 900

PROPERTIES – PHYSICAL

Property[1]	Unit	Neat Resin Casting[2]	Test Method
Tensile Strength	psi	6,000	ASTM D 638
Tensile Modulus	psi	630,000	ASTM D 638
Tensile Elongation	%	1.2	ASTM D 638
Flexure Strength	psi	18,000	ASTM D 790
Flexure Modulus	psi	540,000	ASTM D 790
Heat Deflection Temperature	°C/°F	47/117	ASTM D 648
Water Absorption - 2 hours at 212°F - 24 hours at 73°F	 % gain % gain	 0.15 1.2	ASTM D 570

1) Physical properties were determined using internal Polynt test methods that are similar to those listed above.
2) Cure Conditions: Clear casting initiated with 1.25% Norox® MEKP 900; Gel overnight at RT (16 hrs. at 23 °C / 73 °F); Post cure 2 hrs. at 65 °C / 150 °F, then 2 hrs at 121 °C / 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® 32130 Series resins 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.