PRODUCT BULLETIN

October 2018

POLYLITE® 32135-00

Engineered Cast Marble Resin

DESCRIPTION

POLYLITE® 32135-00 is a polyester resin developed specifically for casting large cultured marble parts, such as bathtubs with or without hydrotherapy units. This high-viscosity, low-styrene resin minimizes shrink and, therefore, stress cracking in large parts. Cultured marble tubs and vanities made with POLYLITE® 32135-00 will meet or exceed ICPA* and ANSI** thermal shock standards when properly mixed, catalyzed, cured, and gel coated.

POLYLITE® 32135-00 is a rigid, low-reactivity, orthophthalic casting resin. It is designed to gel and cure at room temperature upon adding Norox® MEKP-900 methyl ethyl ketone peroxide.

**International Cast Polymers Association, 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
- Crack resistance, short production cycles, and controlled gel and cure drift due to special promotion
- High viscosity minimizes shrink and warping

PROPERTIES – LIQUID

Property(1)	Unit	32135-00
Liquid Color	visual	Light Purple
NVM	%	72.5
Viscosity(2)	cps	2,800
Gel Time(3)	minutes	11
Total Time to Peak	minutes	21
Peak Exotherm	°C/°F	138/280
Specific Gravity	g/cm^3	1.15
Flash Point (Seta Closed Cup)	°C/°F	32/89

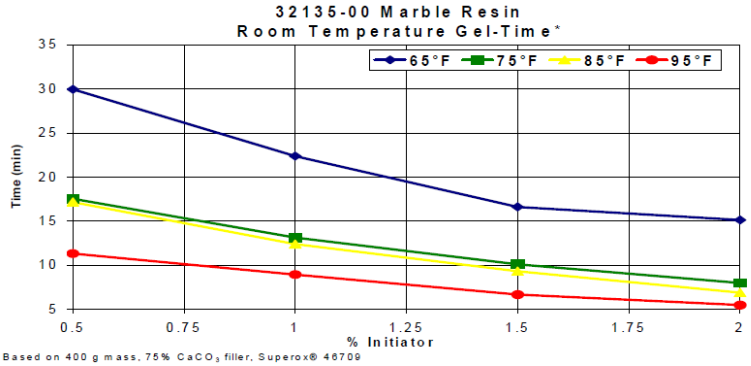
1) All properties at 25°C/77°F unless otherwise noted
2) Brookfield Viscometer LVF Spindle #3 at 12 RPM
3) 1.25 cc Norox® MEKP-900 per 100 g resin

PROPERTIES – PHYSICAL

Property[1]	Unit	Neat Resin Casting[2]	Test Method
Tensile Strength	psi	7,000	ASTM D 638
Tensile Modulus	psi	550,000	ASTM D 638
Tensile Elongation	%	1.5	ASTM D 638
Flexure Strength	psi	15,000	ASTM D 790
Flexure Modulus	psi	600,000	ASTM D 790
Compression Strength	psi	14,000	ASTM D 695
Heat Deflection Temperature	°C/°F	53/126	ASTM D 648
Hardness, Barcol Model 934-1	HB	35	ASTM D 2583
Water Absorption - 2 hours at 212°F - 24 hours at 73°F	 % gain % gain	 1.0 0.2	ASTM D 570

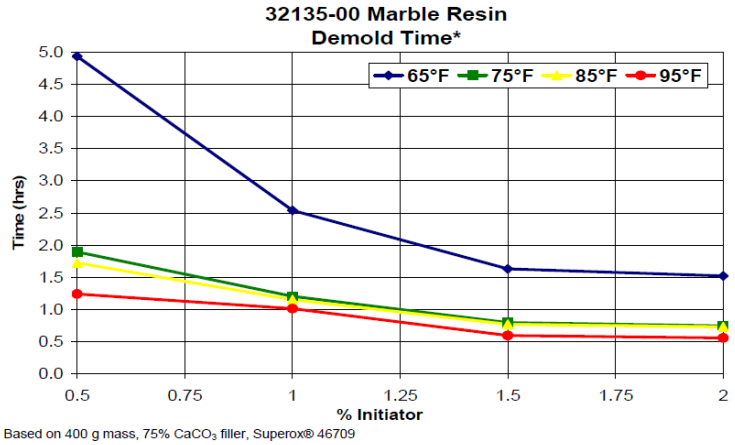
1) Physical properties were determined using internal Polynt test methods that are similar to those listed above.
2) Cure initiated with 1.25 cc Norox® MEKP-900 per 100 g resin; overnight cure at room temperature; post-cured 2 hours at 121°C (250°F). Cured properties reported in this bulletin were attained with Norox® MEKP-900. Use of another initiator may result in inconsistent properties.

PROPERTIES - OTHER



* Based on 400 g mass, 75% $CaCO_3$ filler, Superox® 46709

[1] Properties in this bulletin are typical of those obtained in controlled laboratory tests and are provided as guidelines.



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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® 32135-00 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.

RELATED PRODUCTS

Similar Resins

- POLYLITE 32132-18 Marble, Granite
- POLYLITE 32145-14 & 17 Marble, Onyx, Granite
- POLYLITE 32153-00 Onyx only
- POLYLITE 32245-25 Marble only
- POLYLITE 32124-12 Marble, Granite
- POLYLITE 32136-00 Marble, Granite

SAFETY & WARRANTY

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