PRODUCT BULLETIN

January 2026

POLYLITE® 32141 Series

Cultured Marble Resin

DESCRIPTION

POLYLITE® 32141 Series resins are amber colored, resilient, medium reactivity, low viscosity, casting resins. These unsaturated polyester resins are promoted for room temperature cure using methyl ethyl ketone peroxide (MEKP). Marble vanities made with POLYLITE® 32141 polyester resins will substantially exceed ICPA* and ANSI** thermal shock standards when properly mixed, initiated, and cured. Suggested applications include cultured marble and polymer concrete.

POLYLITE® 32141-00 is not recommended for bathtubs

**International Cast Polymer Association (Formerly the Cultured Marble Institute) 8201 Greensboro Drive, Suite 300, McLean, VA 22102*
*** American National Standards Institute, Inc., 1430 Broadway, New York, NY 10018*

BENEFITS & FEATURES

- Batch-to-batch consistency and uniformity from production utilizing Statistical Process Control (S.P.C) & Statistical Quality Control (S.Q.C) techniques
- Lowest viscosity permits highest filler loading reducing costs and minimizing warpage
- Specially promoted resulting in fast production cycles and controlled gel and cure drift
- Rapid demold resulting in very fast mold turnover due to excellent green strength
- POLYLITE® 32141-10 is UV stabilized and resists yellowing when exposed to light

PROPERTIES – LIQUID

Property(1)	Unit	32141-00	32141-01	32141-11	32141-20
Appearance	-	Amber Clear	Amber Brown	Amber Brown	Amber Brown
NVM	%	68	70	72.5	72.5
Viscosity	cps	135(3)	255(4)	325(4)	325(4)
Gel Time(2)	minutes	11.5(5)	14(6)	10.5(6)	20(7)
Gel to Peak	minutes	-	10	8.5	-
Total Time to Peak	minutes	25	-	-	-
Peak Exotherm	°C/°F	152/305	149/300	140/284	140/284
Specific Gravity	g/cm³	1.10	1.11	1.11	1.11

1) All properties at 25°C/77°F unless otherwise noted
2) Initiator levels below 0.6% United Initiators Norox® MEKP-900 will result in extended gel and cure rates and are never recommended. If longer cycles are required, please contact your Polynt representative. All values in this bulletin are based upon initiation with United Initiators Norox® MEKP-900. Selection of another initiator would require verification of proper gel and cure prior to production.
3) Brookfield Viscometer LVF Spindle #1 at 30 RPM
4) Brookfield Viscometer LV Spindle #2 at 60 RPM
5) 1.25 cc United Initiators Norox® MEKP-900 per 100 g resin
6) 1.0 cc United Initiators Norox® MEKP-900 per 100 g resin
7) 1.0 g United Initiators Norox® MEKP-900 per 100 g resin

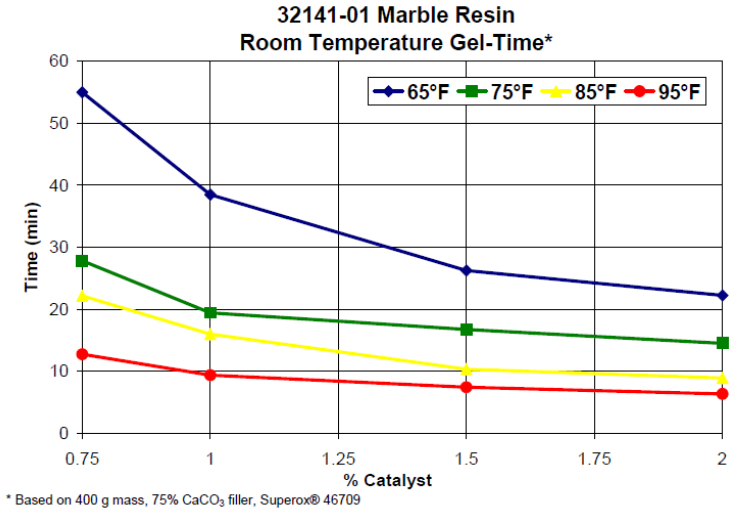
PROPERTIES – PHYSICAL

Property(1)	Unit	32141-00	32141-01	32141-11	Test Method
Hardness, Barcol Model 934-1	HB	60	60	60	ASTM D 2583
Impact Strength	-	Passes	Passes	Passes	ASTM D 256
Thermal Shock Resistance	-	1,000	1,000	1,000	ANSI Z-124.6

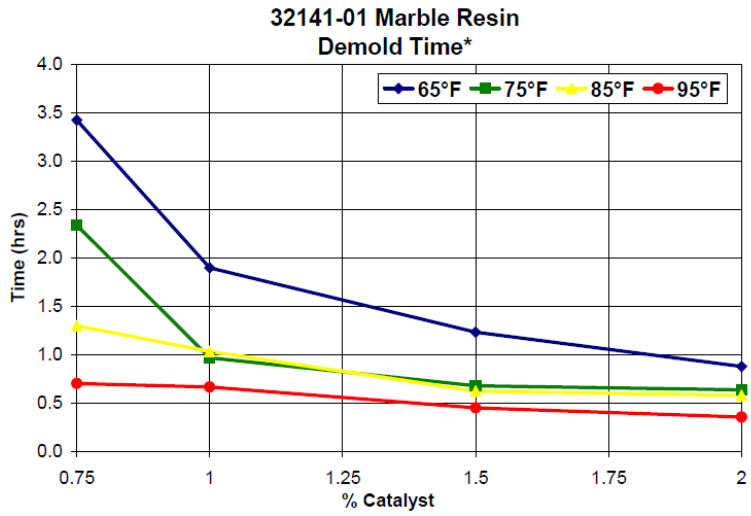
1) Physical properties were determined using internal Polynt test methods that are similar to those listed above.

PROPERTIES - OTHER

POLYLITE® 32141-01 Marble Resin



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



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APPLICATION

Refer to Polynt's Composites Applications Guide ("Cookbook") for equipment and application recommendations. 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 products available for commercial use.

SHELF LIFE & STORAGE

The shelf life of POLYLITE® 32141 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.

RELATED PRODUCTS

Similar Resins:

POLYLITE® 32124-12	• Marble and granite
POLYLITE® 32131	• Resilient – medium viscosity marble resin
POLYLITE® 32132-18	• Marble and granite
POLYLITE® 32138	• Rigid low viscosity marble resin
POLYLITE® 32141-00	• Marble only
POLYLITE® 32145-14 & 17	• Marble, onyx, and granite
POLYLITE® 32153-00	• Onyx only
POLYLITE® 32154	• Moderately resilient, medium viscosity universal resin
POLYLITE® 32245-11 & 12	• Marble and granite

SAFETY & WARRANTY

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