

POLARIS® MR 84330 Series Cultured Marble & Onyx Resins

POLARIS MR 84330-16 series resins are less than 35% styrene, bifunctional resins designed for filled casting applications where an autocaster is used. The resins develop green-strength quickly which allows for faster demold times. The resins are formulated to cure at room temperature using methyl ethyl ketone peroxide initiator.

- Good green-strength development
- Fast demold times
- Minimizes warping and cracking
- Uniform low exotherm cure
- Low cured color
- Excellent air release

APPLICATIONS AND USE

POLARIS MR 84330-16 and MR 84330-20 resins are typically used in the production of onyx and marble vanity tops, bath tubs and wall panels.

TYPICAL⁽¹⁾ LIQUID RESIN PROPERTIES

Property at 25°C (77°F)	Value	Unit
Percent Solids	69	%
Viscosity, Brookfield, LVF #3 spindle @ 30 rpm	900	mPas (cps)
Specific Gravity	1.14	gm/cc

(1) Properties are typical values, based on material tested in our laboratories, but varies from sample to sample. Typical values should not be construed as a guaranteed analysis of any specific lot.

TYPICAL⁽¹⁾ CURING CHARACTERISTICS

Curing properties measured using 1.25 grams NOROX⁽²⁾ MEKP-9H initiator in 100 grams of resin.

Property at 25°C (77°F)	MR 84330-16	MR 84330-20	Unit
Gel Time	16.0	20.0	minutes
Gel Time to Peak Exotherm	7.5	10.0	minutes
Total Time	23.5	28.0	minutes
Peak Exotherm	152 (305)	152 (305)	°C (°F)

(2) Registered trademark of Norac Inc.



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CERTIFICATES AND APPROVALS

The manufacturing, quality control and distribution of products, by Ashland Composite Polymers, comply with one or more of the following programs or standards: Responsible Care, ISO 9001, ISO 14001 and OHSAS 18001 by BVQI.

HANDLING AND STORAGE

Standard Package: 55-Gallon Drum (208 L), Non-Returnable, Net Wt. 220 kgs. (485 lbs.)

Dot Label Required: Flammable Liquid

This resin contains ingredients which could be harmful if mishandled. Contact with skin and eyes should be avoided and necessary protective equipment and clothing should be worn.

Drums - Store at temperatures below 25°C (77°F). Storage life decreases with increasing storage temperature. Avoid exposure to heat sources such as direct sunlight or steam pipes. Mild agitation is recommended after prolonged storage. To avoid contamination of product with water, do not store outdoors. Keep sealed to prevent moisture pick-up and monomer loss. Rotate stock.

Bulk - See Ashland's Bulk Storage and Handling Guide for Polyesters and Vinyl Esters. A copy of this may be obtained from Ashland Composite Polymers at +1.614.790.3333 or 800.523.6963.

Commercial Warranty - When stored in accordance with above conditions, Ashland warrants this product to remain within specification for three months from date of shipment. All things being equal, higher storage temperatures will reduce product stability and lower storage temperature will extend product stability.

Notice

All information presented herein is believed to be accurate and reliable, and is solely for the user's consideration, investigation and verification. The information is not to be taken as an express or implied representation or warranty for which Ashland assumes legal responsibility. Any warranties, including warranties of merchantability or non-infringement of intellectual property rights of third parties, are herewith expressly excluded.

Since the user's product formulations, specific use applications and conditions of use are beyond the control of Ashland, Ashland makes no warranty or representation regarding the results which may be obtained by the user. It shall be the responsibility of the user to determine the suitability of any of the products mentioned for the user's specific application.

Ashland requests that the user reads, understands and complies with the information contained herein and the current Material Safety Data Sheet.



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More information

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