

Product Information

Vicast® ISO/NPG Acrylic Modified Polyester Resin for Solid Surface Applications

TYPICAL LIQUID RESIN PROPERTIES

	Nominal
Viscosity @ 77°F, RVF Brookfield Spindle # 3 @ 20 RPM, cps.	700
Specific Gravity @ 77°F	1.09
Color	Peach
Styrene Content, %	31

TYPICAL CURING PROPERTIES* (see back page)

Gel Time @ 77°F	20
Gel to peak, minutes	14
Peak Exotherm, °F/C°	330/165

*Gel time @ 77°F with MEKP 1%.

TYPICAL CAST MECHANICAL PROPERTIES*

		Test Method
Tensile Strength, psi	12,500	ASTM D 638
Tensile Modulus, psi	580,000	ASTM D 638
Tensile Elongation, %	3.9	ASTM D 638
Flexural Strength, psi	20,800	ASTM D 790
Flexural Modulus, psi	590,000	ASTM D 790
Heat Distortion Temperature, °F/C° @ 264 psi	167	ASTM D 648

*Typical properties are not to be construed as specifications.



DESCRIPTION

Vicast® A717-LBA-20 is a high reactivity prepromoted ISO/NPG Acrylic Modified solid surface casting resin. This resin has been designed to be used to produce solid color and granite effect sheets and bowls.

Vicast® A717-LBA-20 is designed to provide extreme versatility in selecting the combination of gel time and viscosity that suits the specific manufacturing process, working conditions and raw materials.

FEATURES AND BENEFITS

- Premium ISO/NPG polymer
- Low Color
- Fast cure
- Excellent stain and blush resistancy
- Increased uv stability
- Consistent, accurate coloring of cured solid surface
- Fast demold
- Acrylic Modified

Vicast®A717-LBA-20 Polyester Resin

PERFORMANCE GUIDELINES

A. Keep full strength catalyst levels at 1.0% - 2.0% of the total resin weight.

B. Maintaining shop temperatures between 70°F and 90°F and humidity between 40% and 90% will help the fabricator make a high quality part. Consistent shop conditions contribute to consistent gel times.

C. Catalyst levels should be kept at the top end of the recommended range when shop temperatures are at the lower end of the recommended range.

STORAGE STABILITY

Resins are stable for three months from date of production when stored in the original containers away from sunlight at no more than 70°F. After extended storage, some drift may occur in gel time.

During the hot summer months, no more than two months stability at 86°F should be anticipated.

SAFETY

See appropriate Material Safety Data Sheet for guidelines.

ISO 9001:2000 CERTIFIED

The Quality Management Systems at every AOC manufacturing facility have been certified as meeting ISO 9001:2000 standards. This certification recognizes that each AOC facility has an internationally accepted model in place for managing and assuring quality. We follow the practices set forth in this model to add value to the resins we make for our customers.

FOOTNOTES

(1)

The gel times shown are typical but may be affected by catalyst, promoter and inhibitor concentrations and by the temperature of the resin, mold and shop conditions. Variations in gelling characteristics can be expected between different lots of catalysts and at extremely high humidities. Pigment and fillers can retard or accelerate gelation. It is recommended that the fabricator check the gelling characteristics of a small quantity of resin under actual operating conditions prior to use.



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The information contained in this data sheet is based on laboratory data and field experience. We believe this information to be reliable, but do not guarantee its applicability to the user's process or assume any liability for occurrences arising out of its use. The user, by accepting the products described herein, agrees to be responsible for thoroughly testing each such product before committing to production.

Our recommendations should not be taken as inducements to infringe any patent or violate any law, safety code or insurance regulation.