



## PRODUCT INFORMATION

# Vicast<sup>®</sup> Polyester Resin for Marble Applications

### TYPICAL CAST MECHANICAL PROPERTIES (1) SEE BACK PAGE

Test	Units of Measure	Nominal	Test Methods
Tensile Strength	psi	12,000	ASTM D-638
Tensile Modulus	psi	590,000	ASTM D-638
Tensile Elongation	%	5.5	ASTM D-638
Flexural Strength	psi	22,000	ASTM D-790
Flexural Modulus	psi	580,000	ASTM D-790
Heat Distortion Temperature	°F @ 264 psi	144	ASTM D-648

\*Typical properties are not to be construed as specifications.

### TYPICAL LIQUID RESIN PROPERTIES\*

Test	Units of Measure	Nominal
Viscosity @ 77°F, RVF Brookfield		
Spindle #3 @ 20 rpm	cps	1,100
Weight per Gallon		9.6
Specific Gravity	77°F	1.15
Color		Pink
Styrene	%	35

\*Typical properties are not to be construed as specifications.

### TYPICAL CAST MECHANICAL PROPERTIES\*

	Units of Measure	Nominal
Gel Time @ 77°F	minutes	10, 20 or 30
Gel to Peak	minutes	12-18
Peak Exotherm	°F	310

\*Gel time @ 77°F with MEKP 1%

### DESCRIPTION

Vicast<sup>®</sup> A596-L Series is a medium reactivity prepromoted dual purpose casting resin. This resin has been specifically designed to be used to manufacture both marble and onyx vanities.

Vicast<sup>®</sup> A596-L Series 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

- Low color
- Medium viscosity
- Fast cure

### BENEFITS

- Consistent, accurate coloring of cured marble and onyx matrix
- Fast demold times
- Good filler loading

**Note:** This product is recommended for vanities and flat panels. For thick cross-sectional parts such as tubs and shower pans consult with your sales representative or technical representative.

# Vicast® A596-L Series Polyester Resin

## PERFORMANCE GUIDELINES

**A.** Keep full strength catalyst levels between 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 hot summer months, no more than two months stability at 85°F should be anticipated.

## SAFETY

See appropriate Material Safety Data Sheet for guidelines.

## ISO 9001:2008 CERTIFIED

The Quality Management Systems at every AOC manufacturing facility have been certified as meeting ISO 9001:2008 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 resin, mold and shop temperature. 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.

*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.*

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