



**Your Formula for Success**  
RESINS | GEL COATS | COLORANTS

## VICAST® A717-L SERIES POLYESTER RESIN



# Product Information

## ISO/NPG ACRYLIC MODIFIED POLYESTER RESIN FOR SOLID SURFACE APPLICATIONS

### Typical Cast Mechanical Properties <sup>1</sup>

Test	Unit of Measure	Nominal	Test Method
Tensile Strength	psi/MPa	12,500/86.2	ASTM D 638
Tensile Modulus	psi/GPa	580,000/4.0	ASTM D 638
Tensile Elongation	%	3.9	ASTM D 638
Flexural Strength	psi/MPa	20,800/143	ASTM D 790
Flexural Modulus	psi/GPa	590,000/4.1	ASTM D 790
Heat Distortion Temp.	°F/°C @264 psi	167/75	ASTM D 648

### Typical Liquid Properties<sup>2</sup>

Versions	MEKP	%	Gel Time, Min	Gel to Peak	Peak Exotherm (°F/°C)	VISC	SP	rpm	cps	NVM %
A717-LBA-10	DDM-9	1	10	10	361/183	LVSSA <sup>1</sup>	34	60	700	65
A717-LBA-20	DDM-9	1	20	10	352/178	LVSSA <sup>1</sup>	34	60	700	65
A717-LBB-20	DDM-9	1	20	14	347/175	LVSSA <sup>1</sup>	34	20	700	65
A717-LRB-25	DDM-9	1	25	10	352/178	LVSSA <sup>1</sup>	34	60	700	65
A717-LRD-20	DDM-9	1	20	13	352/178	LVSSA <sup>1</sup>	34	60	700	65

Typical properties are not to be construed as specifications.

### DESCRIPTION

Vicast A717-L Series 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-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.

### BENEFITS

- Premium ISO/NPG polymer
- Acrylic modified
- Low color
- Fast cure
- Excellent stain and blush resistance
- Increased UV stability
- Consistent, accurate coloring of cured solid surface
- Fast demold



### PERFORMANCE GUIDELINES

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

B. Maintaining shop temperatures between 65°F/ 18°C and 90°F/32°C and humidity between 40% and 90% will help the fabricator make a high quality part. Consistent shop conditions contribute to consistent gel times.

C. Sanding and/or grinding is recommended if a secondary bond is applied to a laminate that was made with a resin containing wax.

### STORAGE STABILITY

This product is stable for three months from the date of manufacture when stored in the original containers, away from direct sunlight or other UV light sources and at or below 77°F/25°C.

Storage stability of two months or less should be anticipated if the storage temperature exceeds 86°F/30°C.

After extended storage, some drift may occur in the product viscosity and gel time.

### SAFETY

See the appropriate 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) Based on tests at 77°F/25°C and 50% relative humidity. All tests performed on unreinforced cured resin castings. Thixotropic components, if applicable, are excluded from casting samples. Castings were post cured.

(2) The gel times shown are typical but may be affected by catalyst, promoter, inhibitor concentration, resin, mold, and shop temperature. Variations in gelling characteristics can be expected between different lots of catalysts and at extremely high humidities. Pigment and/or filler 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.



Your Formula for Success  
RESINS | GEL COATS | COLORANTS

**AOC World Headquarters**  
955 Highway 57 East, Collierville, TN 38017  
+01 901.854.2800  
[AOC-Resins.com](http://AOC-Resins.com)

Pub. A717-L SERIES  
Effective Date: June 2017  
Copyright © 2017

### SALES CONTACTS

**NORTH AMERICA**  
Toll free: +1 866 319 8827  
[northamerica@aoc-resins.com](mailto:northamerica@aoc-resins.com)

**LATIN AMERICA**  
+01 863 815 5016  
[latinamerica@aoc-resins.com](mailto:latinamerica@aoc-resins.com)

**MIDDLE EAST**  
+44 1206 390415  
[middleeast@aoc-resins.com](mailto:middleeast@aoc-resins.com)

**EUROPE**  
+44 1206 390415  
[europe@aoc-resins.com](mailto:europe@aoc-resins.com)

**AOC UK LTD.**  
+44 1206 390400  
[salesUK@aoc-resins.com](mailto:salesUK@aoc-resins.com)

**INDIA**  
+44 1206 390415  
[india@aoc-resins.com](mailto:india@aoc-resins.com)

**ASIA/AUSTRALIA**  
+44 1206 390415  
[asia@aoc-resins.com](mailto:asia@aoc-resins.com)