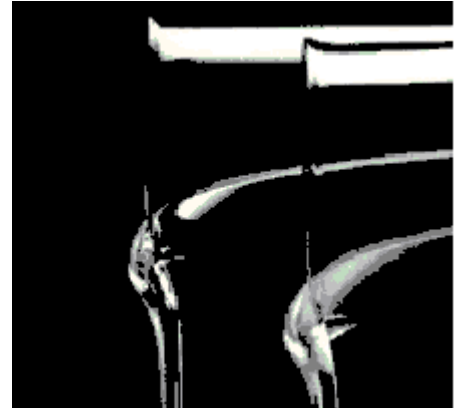


Product Information

Specialty Base Resin



TYPICAL LIQUID RESIN PROPERTIES*

	Nominal	Test Method
Viscosity @ 77°F/25°C, RV SSA Brookfield Spindle #27, 12.1g @ 50 RPM, cps.	2260	V-25-01
Non-Volatiles, %	100	N-04-04

TYPICAL CURING PROPERTIES* (1) see back page

Gel time @ 77°F/25°C (1.00% M-50 + 0.25% Co6%), minutes	25	C-100-2
Gel to peak, minutes	23	C-100-2
Peak Exotherm, °F/°C	104/40	C-100-2

TYPICAL CAST MECHANICAL PROPERTIES* (2) see back page

Tensile Strength, PSI/MPa	Not Available**	ASTMD-638
Tensile Modulus, PSI/GPa	Not Available**	ASTMD-638
Tensile Elongation, %	Not Available**	ASTMD-638
Flexural Strength, PSI/MPa	Not Available**	ASTMD-790
Flexural Modulus, PSI/GPa	Not Available**	ASTMD-790
Heat Distortion Temperature, °F/°C @ 264 psi	Not Available**	ASTMD-648
Barcol Hardness	Not Available**	ASTMD-2583

*Typical properties are not to be construed as specifications.
 **Data not available at time of printing.

DESCRIPTION

T396-100 is a non-thixotropic, non-promoted, clear, base polyester resin.

FEATURES

T396-100 is designed to be used primarily as a colour paste grinding vehicle.

T396-100 Polyester Resin

PERFORMANCE GUIDELINES

A. Keep full strength catalyst levels between 0.75% - 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.

STORAGE STABILITY

Resins are stable for four months from date of production when stored in the original containers away from sunlight at no more than 70°F/21°C. After extended storage, some drift may occur in gel time.

During the hot summer months, no more than two months stability at 86°F/30°C should be anticipated.

SAFETY

See appropriate Material Safety Data Sheet for guidelines.

ISO 9002 CERTIFIED

The Quality Management Systems at every AOC manufacturing facility have been certified as meeting ISO 9002 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.

(2)

All tests at 77°F/25°C on unreinforced cured resin castings. Thixotropic components, if applicable, are excluded from casting samples. Castings were prepared using 1.25% MEKP, 0.125% Cobalt 12%, and post cured for 2 hours at 250°F/121°C using AOC test method X-12Ab.



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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 any application 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.