

Product Information

EcoTek Shrink Control Additive

TYPICAL LIQUID RESIN PROPERTIES*

	Nominal
Viscosity at 77°F/25°C, RV Spindle #27 at 50 RPM, cps.	1,300-1,600
Percent non-volatiles	60
Acid value, mg KOH/g	11.5
Water content, %	0.04

*Typical properties are not to be construed as specifications.



DESCRIPTION

S154-60G Low Shrink Additive is a saturated polyester resin. S154-60G is intended to reduce shrink in high reactive polyester resins designed for sheet molding compound (SMC) and bulk molding compound (BMC) applications.

FEATURES

- Contains renewable and/or recycled content.
- Suitable for paintable and bondable applications
- Provides smooth surface and dimensional control (expansion capable.)

APPLICATIONS

- Appliances
- Automotive Parts
- Consumer Goods
- Construction

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EcoTek™
S154-60G
Low Profile Additive



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/21°C.

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.

APPLICATION RECOMMENDATIONS

Blends of 30 to 40 percent S154-60G with high reactive SMC polyester resins, provide excellent surfaces, low shrinkage and dimensional control.

Contact your AOC sales representative for additional formulation recommendations.

Low profile or Class A resins have reduced short and long term waviness and provide excellent shrinkage and dimensional control in SMC parts. It is important to realize, however, that secondary bonding characteristics of the products manufactured, whether they are adhered FRP to FRP or FRP to metals, and to other materials must be checked by the molder for all applications.

The test method should reflect adhesion failure mode on actual application, peel vs. shear, etc. The following parameters may also affect bonding performance: type of adhesive and adhesion application, type and amount of texture, substrate formulation and cure, part molding conditions, in-mold coating conditions, shop environmental conditions (humidity, temperature, dirt, grease and oil), interlaminar strength of substrate and other variables.

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.

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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.