

**GMA-300G
ACRYLIC RESIN
FOR POWDER COATINGS**

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THE EDGE OF INNOVATION

GENERAL DESCRIPTION

GMA-300G is a highly functional, glycidyl-functional acrylic polymer capable of reacting with carboxyl and amine-functional compounds to form durable coatings. It can be used either as a sole curing agent for polyesters to make polyester-acrylic hybrids, or as a fortifying additive resin at amounts of 1-5% in systems such as polyester-TGIC or hybrids to boost crosslink density, film hardness and chemical resistance.

GMA-300G can also be used in specialized applications such as high temperature powder coating formulations based on polysiloxane chemistry. See the GMA-300G Technical Brief #1 for details regarding how this product gives better film integrity than TGIC as the polyester curing agent. Dosage of GMA-300G as a crosslinker depends on the equivalent weight of the polyester resin.

As with any raw material, laboratory evaluation is required for each formulation to determine the best processing method and the optimum concentration of GMA-300G.

TYPICAL PROPERTIES*

Appearance	Clear Ground Flakes
Specific Gravity (25/25)	1.18– 1.24
Gardner Color, 50% IN BUTYL ACETATE	2 maximum
Softening Point, RING & BALL	110 - 120°C
Non-Volatile, weight %	98.5% minimum
Epoxy Equivalent Weight	285 - 315
Glass Transition Temperature	57-62°C

* Not to be used for specification purposes

REGULATORY LISTINGS

The components of this material are either listed or exempt from listing due to polymer exemption criteria for the following chemical inventory listings: AICS (Australia), DSL (Canada), ECL (Korea), ECN (Taiwan), ENCS (Japan), IECSC (China), TSCA (USA)

All components are REACH registered per ECHA requirements.

PACKAGING (NET WEIGHT)

55 lb. / 25 kg in fiberboard box with polyolefin liner

PRODUCT AVAILABILITY

This product is commercially available and may require lead time.

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STORAGE AND HANDLING

Keep container tightly closed and store in a dry, well ventilated area away from heat and sources of ignition. Store at less than 100°F (38°C). Shelf life of unopened containers is 18 months from date of shipment. See SDS for additional information.

CONTACT INFORMATION

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TDS Revised by: A. Chizhikova

TDS Approved by: F. Allen