

Carboset® GA-1594

Acrylic Colloidal Dispersion

Carboset® GA-1594 is a colloidal dispersion of an acrylic polymer. It is a hard, all acrylic polymer with excellent pigment wetting properties. Carboset GA-1594 resin has demonstrated excellent non-gassing properties with treated metallic pigments. Carboset GA-1594 resin can be crosslinked with melamines to provide high gloss permanent coatings with excellent stain resistance properties. Carboset GA-1594 resin has very good flow and leveling properties and is neutralized with DMEA, making it a superior choice for bake systems. This polymer can be used in spray, flow coat or dip finishes. Typical coatings produced with Carboset GA-1594 resin can achieve a VOC of 150 grams/liter or less.

FEATURES AND BENEFITS

- Adhesion
- Chemical Resistance
- Crosslinkable
- Glossy
- Mechanical Stability
- Stain Resistance

CHARACTERISTICS

Characteristic Name	Value
% Volume Solids	36.6
% Weight Solids	39.0-41.0
Acid Number (mg KOH/g)	56-67
Density (lb/gal @ 25 °C)	8.9
Freeze/Thaw Stability	Pass / 5 cycles
Heat Stability	Pass / 5days 120F
MFFT (°C)	<10
pH Value	6.55-7.35
Specific Gravity	1.07
Tg (°C)	28

REGULATORY

- Ammonia-Free¹
- APEO-Free¹
- EU 10/2011
- FDA
- Formaldehyde-Free¹
- Low VOC⁴

¹Not intentionally added to the composition of this product

⁴Suitable for coating formulations where less than 140 g/l VOC (US EPA Method 24) or 75 g/l VOC (ISO 11890-1, Method 2) is desired based on calculations.

APPLICATIONS

- Protective Coatings

AVAILABLE REGIONS

- EMEA
- North America

RECOMMENDED STORAGE AND RE-TEST DATE

Lubrizol recommends retesting quality after 730 days. See SDS for storage conditions and handling instructions.

REGULATORY STATUS

Please see the product's current material safety data sheet, SDS, for regulatory information. You can request an SDS at www.lubrizol.com/coatings.

Should you have questions on additional topics, please feel free to contact your Lubrizol representative or one of our regional Customer Assistance groups listed here:

America: AmerLZAMCustomerAssistance@Lubrizol.com | Europe: EMEAICustomerAssistance@Lubrizol.com |

Asia: APCustomerAssistance@Lubrizol.com | Brazil: BrazilQualityLZAM@Lubrizol.com

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