



Lubrizol

AUTOMOTIVE COATINGS

CARBOSET® PC-27

ACRYLIC EMULSION FOR AUTOMOTIVE INTERIORS AND CONSUMER PRODUCTS

As a 1K, self-crosslinking, acrylic copolymer emulsion, CarboSet® PC-27 is an innovative choice for factory-applied, water-based plastic coatings. It offers reliable results in air, force-dry and spray operations, with the compatibility to work superbly with a variety of hard plastic substrates.

Outstanding performance and compatibility

CarboSet® PC-27 is an ideal acrylic emulsion for automotive interiors—it offers compatibility with metallic pigments and excellent adhesion properties over a wide range of plastic substrates, such as instrument panels, gauge clusters and door panels. CarboSet® PC-27 is also suitable for numerous consumer products, such as electronics, cosmetic containers, cell phones and computers. It also adheres readily to metal substrates.

Superior resistance to chemicals, water and wear

CarboSet® PC-27 offers dependable protection, meeting automotive OEM performance specifications for surface cleaners and protectants, sunscreen lotions (including GMW 14445), and insect repellents containing DEET. It offers excellent protection against water soak, alkali, acid resistance and has excellent hydrolytic stability, while also delivering excellent scratch, abrasion and print resistance.

A production-friendly solution

It's tough on wear, but CarboSet® PC 27 is easy to work with. This advanced acrylic emulsion is a one-component solution—no catalyst required—simplifying operational integration. It is also free of APE surfactants. Best yet, like all Lubrizol products, CarboSet® PC-27 is supported by a worldwide network of technical service experts.

WHAT WE ADD MAKES THE DIFFERENCE.™

- ONE-COMPONENT ACRYLIC COPOLYMER IDEAL FOR AUTOMOTIVE INTERIORS AND CONSUMER PRODUCTS
- DEPENDABLE ADHESION TO HARD PLASTIC SUBSTRATES—ABS, ABS-PC, PC, HIPS
- SELF-CROSSLINKING PRODUCTION EFFICIENCY
- MEETS AN ARRAY OF AUTOMOTIVE PERFORMANCE STANDARDS
- GLOBAL PRODUCTION ANALYSIS, SERVICE AND SUPPORT

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FEATURES & BENEFITS

- ADHESION TO A VARIETY OF PLASTIC AND METAL SUBSTRATES
- EXCELLENT SCRATCH, ABRASION AND PRINT RESISTANCE
- ACCEPTS METALLIC PIGMENTS EASILY
- SELF-CROSSLINKING—NO CATALYST REQUIRED
- AIR OR FORCE DRY SYSTEM COMPATIBILITY
- ALKYL PHENOL ETHOXYLATE (APE) SURFACTANTS FREE

TYPICAL PROPERTIES

APPEARANCE	MILKY WHITE EMULSION
TOTAL SOLIDS BY WEIGHT, %	42±1
TOTAL SOLIDS BY VOLUME, %	40±1
DENSITY, POUNDS/GALLON	8.8
DENSITY, SPECIFIC GRAVITY	1.05
BROOKFIELD VISCOSITY, 25°C CPS, #1 SPINDLE, 60 RPM	50-200
MFFT, °C	90±5
PH	8.5±0.5
MECHANICAL STABILITY, 15 MIN. (WARRING BLENDER)	PASS
FREEZE/THAW STABILITY	PROTECT FROM FREEZING

Property values represent typical results only and are not to be considered specifications.

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