



GABEPRO GPE-221

Cycloaliphatic Epoxy

CAS Registry Number: 2386-87-0

Description:

GPE-221 is a cycloaliphatic, diepoxy functional compound that is the same chemical as the discontinued ERL 4221 of Dow Chemical. The combination of aliphatic backbone, high oxirane content, and no halogens gives resins with low viscosity, weatherability, low dielectric constant and high cured T_g . It can be cured with polyacids, anhydrides or UV initiators to give optically clear resins and coatings with high heat distortion.

Applications:

Can be used for electrical and electronic component encapsulation, radiation-curable inks and coatings, electrical-insulating varnishes, electrical-resin porcelains, insulating sealants for semiconductors, and transparent insulating sealants for optoelectronics. Other uses include acid scavenger for vinyl-based transformer fluids and lubricating oils; filament winding for aerial booms and antennas; and as a viscosity modifier for bisphenol A epoxies in tooling compounds. It is also often used in the manufacture of plastic embedding kits for electron microscopy.

Physical Properties:

Appearance	Colorless, Pale-yellowish liquid
Viscosity @ 25 °C	350-450 cps
EEW	131-143
Color	100 Max (Pt-Co)

Specifications:

Color, Gardner	1.0 max
Moisture, Dean Stark, WT%	.02 - .05

Packaging:

55 gallon steel drum (440 lbs Net)

Shipping Point:

Ashtabula, Ohio

Gabriel Performance Products

725 State Road
Ashtabula, OH 44004
866-800-CHEM (2436) or 440-992-3230
<http://www.gabepro.com>



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