

Cardolite® LITE 3008

Epoxy Curing Agent

Technical Datasheet

DESCRIPTION

Cardolite LITE 3008 is a phenalkamide curing agent suitable as a replacement for common grades of polyamide curing agents for coating and adhesive applications.

PROPERTIES

PROPERTY	SPECIFICATION	TEST METHOD
Color (Gardner)	≤ 10	ASTM D1544
Viscosity @ 50°C (cPs)	4,000 - 6,000	ASTM D2196
Amine Value (mg KOH/g)	180 - 220	ASTM D2074
Volatile Loss (% Weight)	≤ 1	ASTM D2369-98

PROPERTY	TYPICAL VALUE	TEST METHOD
Appearance	Yellow Liquid	Visual
Theoretical Active Hydrogen Equivalent (AHEW) ¹	190	Calculated
Density @ 25°C (kg/L, lbs/gal)	1.02 / 8.50	ASTM D1475
Recommended Use Level (phr, EEW 190)	100	-

Typical properties are not to be construed as specifications

¹Based on total product weight

ADVANTAGES

- Cost effective compared to traditional polyamides
- Good compatibility with liquid and solid epoxy resin without need for induction time
- Fast hardness development
- Good flexibility and adhesion on various substrates
- Good dry color stability and light wet color
- Good anti-corrosion performance

CURE PROPERTIES

FORMULATION PROPERTY	TYPICAL VALUE	TEST METHOD
Liquid Epoxy Resin (pbw, EEW 190)	100	
Cardolite LITE 3008 (pbw)	100	
Mix viscosity @ 25°C (cPs)	14,600	-
Gel Time, 50 g @ 25°C (min)	50	NTM-15
Thin film dry times, WFT 8 mils (200 micron)		
@ 25°C (77°F) (hrs hard/through)	4 / 5.5	ASTM D5895
Solid Epoxy Resin 75% Xylene (pbw, EEW 666)	100	
Cardolite LITE 3008 (pbw)	30	
Mix viscosity @ 25°C (cPs)	27,500	-
Thin film dry times, WFT 8 mils (200 micron)		
@ 25°C (77°F) (hrs hard/through)	5.25 / 14	ASTM D5895

REGULATORY STATUS

Please refer to the safety data sheet (SDS). Specific information regarding chemical inventory listing can be obtained from your local sales representative.

SAFETY PRECAUTIONS

Please refer to the safety data sheet (SDS). Copies of the SDS can be requested on the Cardolite website or via your local sales representative.

STABILITY AND STORAGE

Cardolite products may absorb moisture and carbon dioxide when left in open containers, which could result in increased viscosity, discoloration, reduction of reactivity, and/or crystallization of the products. These products should be kept tightly sealed in their original containers when not in use, and stored in a cool, dry place.

CONTACT INFORMATION



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Chemistry for Tomorrow

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