

# Cardolite<sup>®</sup> GX-6027

## Epoxy Curing Agent

### Preliminary Technical Datasheet

#### DESCRIPTION

Cardolite GX-6027 is an epoxy curing agent based on latest modified phenalkamine technology.

#### TYPICAL PROPERTIES

PROPERTY	TYPICAL VALUE	SPECIFICATION	TEST METHOD
Appearance	Orange brown liquid		Visual
Color (Gardner)	7	-	ASTM D1544
Viscosity @ 25°C (cPs)	910	-	ASTM D2196
Amine Value (mg KOH/g)	394	-	ASTM D2074
Active Hydrogen Equivalent (AHEW) <sup>1</sup>	76	-	-
Volatile Loss (% by weight)	0.6	-	ASTM D2369-98
Density @ 25°C (kg/L) (lbs/gal)	1.023 8.51	- -	ASTM D1475
Flash point	104.4°C / 220°F	-	ASTM D93
Recommended Use Level (phr, EEW 190)	40	-	-
Shelf Life (Months)	-	-	-

<sup>1</sup> Based on total product weight

#### CURE PROPERTIES

	FORMULATION	TEST METHOD
Liquid Epoxy Resin (pbw, EEW 190)	50	
Cardolite GX-6027 (pbw)	20	
Mix viscosity @ 25°C (cPs)	4,463	
Gel time, 50 g @ 25°C (min)	19.4	NTM-15
Thin film dry times, 8 mils (200 micron)		
@ 25°C (77°F) (hrs touch/hard/through)	1.5/3.0/4.5	ASTM D5895
@ 5°C (42°F) (hrs touch/hard/through)	2/8.75/17.5	ASTM D5895
@ 0°C (32°F) (hrs touch/hard/through)	-/10/18.5	ASTM D5895
Film appearance @ 10°C, 95% RH	Smudge	Visual

#### APPROVALS AND REGULATORY STATUS

Australia: -	Japan: -	Taiwan: -
Canada: -	Korea: -	United States: -
China: -	New Zealand: -	Other: -
Europe: -	Philippines: -	

## SAFETY PRECAUTIONS

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

## STABILITY AND STORAGE

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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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