

# Cardolite® NX-6019

## Epoxy Curing Agent

### Technical Datasheet

#### DESCRIPTION

Cardolite NX-6019 is an epoxy curing agent based on latest modified phenalkamine technology.

#### PROPERTIES

PROPERTY	PROVISIONAL SPECIFICATION	TEST METHOD
Color (Gardner)	≤ 14	ASTM D1544
Viscosity @ 25°C (cPs)	800 - 1,400	ASTM D2196
Amine Value (mg KOH/g)	260 - 300	ASTM D2074
Volatile Loss (% weight)	≤ 3.5	ASTM D2369-98

PROPERTY	TYPICAL VALUE	TEST METHOD
Appearance	Orange red liquid	Visual
Theoretical Active Hydrogen Equivalent (AHEW) <sup>1</sup>	133	Calculated
Density @ 25°C (kg/L) (lbs/gal)	0.99 8.23	ASTM D1475
Flash point	> 104°C / > 219°F	ASTM D93
Recommended Use Level (phr, EEW 190)	70	-

Typical properties are not to be construed as specifications

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

## CURE PROPERTIES

	FORMULATION	TEST METHOD
Liquid Epoxy Resin (pbw, EEW 190)	100	
Cardolite NX-6019 (pbw)	70	
Mix viscosity @ 25°C (cPs)	2,775	
Gel time, 50 g @ 25°C (min)	15 - 30	NTM-15
Thin film dry times, 8 mils (200 micron)		
@ 25°C (77°F) (hrs hard/through)	2.5 / 6.8	ASTM D5895
@ 5°C (41°F) (hrs hard/through)	10 / 17	ASTM D5895
@ 0°C (32°F) (hrs hard/through)	11.5 / 19	ASTM D5895
Film appearance @ 10°C, 92% RH	Clear	Visual

## REGULATORY STATUS

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

## SAFETY PRECAUTIONS

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

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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