

# Cardolite<sup>®</sup> NX-5052

## Epoxy Curing Agent

### Technical Datasheet

#### DESCRIPTION

Cardolite NX-5052 is an epoxy curing agent based on latest modified phenalkamide technology.

#### PROPERTIES

PROPERTY	SPECIFICATION	TEST METHOD
Color (Gardner)	≤ 12	ASTM D1544
Viscosity @ 25°C (cPs)	150000 - 350000	ASTM D2196
Amine Value (mg KOH/g)	200 - 240	ASTM D2074
Solids (% by weight)	≥ 98	ASTM D2369-98
Density @ 25°C (kg/L)	0.98 - 1.0	ASTM D1475

PROPERTY	TYPICAL VALUE	TEST METHOD
Appearance	Brown liquid	Visual
Theoretical Active Hydrogen Equivalent (AHEW) <sup>1</sup>	179	-
Flash point	160°C / 320°F	ASTM D93
Recommended Use Level (phr, EEW 190)	94	-

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-5052 (pbw)	94	
Gel time, 50 g @ 25°C (min)	68.5	NTM-15
Thin film dry times, 8 mils (200 micron)		
@ 25°C (77°F) (hrs hard/through)	4.5/7	ASTM D5895
@ 5°C (41°F) (hrs hard/through)	18/24	ASTM D5895
Film appearance @ 10°C, 92% RH	Milky, no blush	Visual

## REGULATORY STATUS

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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

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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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