

Cardolite® NX-2047

Epoxy Curing Agent

Preliminary Technical Datasheet

DESCRIPTION

Cardolite NX-2047 is a cost effective epoxy curing agent based on modified phenalkamine technology.

TYPICAL PROPERTIES

PROPERTY	TYPICAL VALUE	TEST METHOD
Appearance	Dark liquid	Visual
Color (Gardner)	≤ 18	ASTM D1544
Viscosity @ 25°C (cPs)	15,000 - 30,000	ASTM D2196
Amine Value (mg KOH/g)	300 - 335	ASTM D2074
Theoretical Active Hydrogen Equivalent (AHEW) ¹	161 - 190	Calculated
Volatile Loss (% by weight)	≤ 2.5	ASTM D2369-98
Density @ 25°C (kg/L) (lbs/gal)	0.99 8.24	ASTM D1475
Flash point	> 100°C / 212°F	ASTM D93
Recommended Use Level (phr, EEW 190)	85 - 100	-

Typical properties are not to be construed as specifications

¹ Based on total product weight

CURE PROPERTIES

	FORMULATION A	FORMULATION B	TEST METHOD
Liquid Epoxy Resin (pbw, EEW 190)	100	100	
Cardolite NX-2047 (pbw)	85	100	
Mix viscosity @ 25°C (cPs)	14,200	15,500	
Gel time, 50 g @ 25°C (min)	28	27	NTM-15
Thin film dry times, 8 mils (200 micron)			
@ 25°C (77°F) (hrs hard/through)	6.8 / 8.4	6.2 / 7.6	ASTM D5895
@ 5°C (41°F) (hrs hard/through)	25.8 / 38.5	25 / 34.7	ASTM D5895
Film appearance @ 10°C, 95% RH	Hazy	Hazy	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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