

Cardolite® NX-5607

Epoxy Curing Agent

Technical Datasheet

DESCRIPTION

Cardolite NX-5607 is a solvent free, fast cure, epoxy curing agent based on the latest modified phenalkamine technology.

PROPERTIES

PROPERTY	SPECIFICATION	TEST METHOD
Color (Gardner)	≤ 14	ASTM D1544
Viscosity @ 25°C (cPs)	2,000 - 3,500	ASTM D2196
Amine Value (mg KOH/g)	370 - 420	ASTM D2074
Volatile Loss (% by weight)	≤ 2	ASTM D2369-98

PROPERTY	TYPICAL VALUE	TEST METHOD
Appearance	Yellow color liquid	Visual
Theoretical Active Hydrogen Equivalent (AHEW) ¹	95	Calculated
Density @ 25°C (kg/L) (lbs/gal)	1.065 8.88	ASTM D1475
Flash point	98.5°C / 209.3°F	ASTM D93
Recommended Use Level (phr, EEW 190)	50	-

Typical properties are not to be construed as specifications

¹ Based on total product weight

CURE PROPERTIES

	FORMULATION	TEST METHOD
Liquid Epoxy Resin (pbw, EEW 190)	100	
Cardolite NX-5607 (pbw)	50	
Mix viscosity @ 25°C (cPs)	3,070	
Gel time, 50 g @ 25°C (min)	14	NTM-15
Thin film dry times, 8 mils (200 micron)		
@ 25°C (77°F) (hrs hard/through)	2 / 2.6	ASTM D5895
@ 5°C (41°F) (hrs hard/through)	9 / 12	ASTM D5895
@ 0°C (32°F) (hrs hard/through)	14 / 29	ASTM D5895
Film appearance @ 10°C, 92% RH	Blush	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



<https://www.cardolite.com>

Cardolite Corporation
140 Wharton Road
Bristol, PA 19007
United States of America

Cardolite Specialty
Chemicals Europe NV
Wijmenstraat 21K / 2
B-9030 Mariakerke (Gent)
Belgium

Cardolite Specialty Chemicals
India LLP
Plot No. IP-1 & IP-2, Mangalore
Special Economic Zone
Bajpe, Mangalore 574 142
India

Cardolite Chemical
Zhuhai Ltd.
1248 Ninth Shihua Road
Gaolan Port Economic Zone
Zhuhai, Guangdong 519050
P.R. China

T: +1-800-322-7365

T: +32 (0) 92658826

T: + 91 (0) 824 2888 300

T: +86-756-726-9066

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