

Cardolite[®] NX-5556M

Epoxy Curing Agent

Technical Datasheet

DESCRIPTION

Cardolite NX-5556M is an epoxy curing agent based on modified phenalkamine technology.

PROPERTIES

PROPERTY	SPECIFICATION	TEST METHOD
Color (Gardner)	≤ 16	ASTM D1544
Viscosity @ 25°C (cPs)	2,000 - 3,750	ASTM D2196
Amine Value (mg KOH/g)	230 - 255	ASTM D2074
Solids (% by weight)	78 - 82	ASTM D2369-98

PROPERTY	TYPICAL VALUE	TEST METHOD
Appearance	Orange brown liquid	Visual
Theoretical Active Hydrogen Equivalent (AHEW) ¹	165	Calculated
Density @ 25°C (kg/L) (lbs/gal)	0.978 8.16	ASTM D1475
Flash Point	32°C / 90°F	ASTM D93
Recommended Use Level (phr, EEW 190)	87	-
Shelf-Life (Months)	12	-

Typical properties are not to be construed as specifications

¹Based on total product weight

CURE PROPERTIES

	FORMULATION	TEST METHOD
Liquid Epoxy Resin (pbw, EEW 190)	30	
Cardolite NX-5556M (pbw)	26.1	
Mix viscosity @ 25°C (cPs)	3,420	
Gel time, 50 g @ 25°C (min)	30 - 60	NTM-15
Thin film dry times, 8 mils (200 micron)		
@ 25°C (77°F) (hrs hard/through)	2 / 4	ASTM D5895
@ 5°C (42°F) (hrs hard/through)	11 / 17	ASTM D5895
@ 0°C (32°F) (hrs hard/through)	16 / 24	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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