

Cardolite® NT-5901

Epoxy Curing Agent

Preliminary Technical Datasheet

DESCRIPTION

Cardolite NT-5901 is a low color, low viscosity modified cycloaliphatic amine intended for ambient or low temperature curing of liquid epoxy resins.

TYPICAL PROPERTIES

PROPERTY	TYPICAL VALUES	TEST METHOD
Appearance	Clear liquid	Visual
Color (Gardner)	1	ASTM D1544
Viscosity @ 25°C (cPs)	454	ASTM D2196
Amine Value (mg KOH/g)	264	ASTM D2074
Theoretical Active Hydrogen Equivalent (AHEW) ¹	113	Calculated
Density @ 25°C (kg/L) (lbs/gal)	1.03 8.57	ASTM D1475
Flash point	96.1°C / 205°F	ASTM D93
Recommended Use Level (phr, EEW 190)	60	

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)	50	
Cardolite NT-5901 (pbw)	30	
Mix viscosity @ 25°C (cPs)	1,990	
Gel time, 50 g @ 25°C (min)	55	NTM-15
Thin film dry times, 8 mils (200 micron)		
@ 25°C (77°F) (hrs hard/through)	7.5/8.5	ASTM D5895
@ 10°C (50°F) (hrs hard/through)	16/21	ASTM D5895

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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