

Cardolite[®] NX-9005

Polyol Resin

Technical Datasheet

DESCRIPTION

Cardolite NX-9005 is a unique polyol suitable for polyurethane coatings and adhesives. This product has well balanced mechanical properties, high tensile strength and excellent elongation.

TYPICAL PROPERTIES

PROPERTY	SPECIFICATION	TEST METHOD
Color (Gardner)	≤ 5	ASTM D1544
Viscosity @ 25°C (cPs)	2,600 - 4,000	ASTM D2196
Hydroxyl Value (mg KOH/g)	145 - 195	ASTM D1957
Moisture content (%)	≤ 0.15	Karl Fischer

PROPERTY	TYPICAL VALUE	TEST METHOD
Appearance	Yellow liquid	Visual
Density @ 25°C (kg/L) (lbs/gal)	0.998 8.327	ASTM D1475
Flash Point	> 100°C / 212°F	ASTM D93
Hydroxyl Equivalent Weight (g/mole)	288 - 387	Calculated

Typical properties are not to be construed as specifications

CURE PROPERTIES

	FORMULATION	TEST METHOD
MRS-5 (Poly MDI; NCO eq. Wt 132.1	40.3	
Cardolite NX-9005 (pbw)	100	
Gel time, 50 g @ 25°C (min)	52	NTM-15
Thin film dry times, 8 mils (200 micron)		
@ 5°C (41°F) (hrs hard/through)	8.5 / 14	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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