

Cardolite® NX-9001LV

Polyol Resin

Technical Datasheet

DESCRIPTION

Cardolite NX-9001LV is a unique low viscosity polyol with medium to high functionality based on cashew nutshell liquid technology. This product provides excellent water and alkaline resistance, as well as improved fire and thermal resistance properties.

TYPICAL PROPERTIES

PROPERTY	SPECIFICATION	TEST METHOD
Color (Gardner)	≤ 18	ASTM D1544
Viscosity @ 25°C (cPs)	800 - 1,200	ASTM D2196
Hydroxyl Value (mg KOH/g)	160 - 190	ASTM D4274
pH	7 - 9.5	NTM-24
Moisture (%)	≤ 0.2	Karl-Fischer

PROPERTY	TYPICAL VALUE	TEST METHOD
Appearance	Red color liquid	Visual
Density @ 25°C (kg/L) (lbs/gal)	0.984 8.21	ASTM D1475
Flash Point	94°C / 201°F	ASTM D93
Hydroxyl Equivalent Weight (g/mole)	295 - 350	Calculated

Typical properties are not to be construed as specifications

APPLICATIONS

Cardolite NX-9001LV is suitable for C.A.S.E., flexible or rigid foams (co-polyol in PUR systems).

ADVANTAGES

- Low viscosity
- Hydrophobicity (long aliphatic chain of cardanol)
- Fast cure minimizing the amount of catalyst
- Quick return to service
- Hydrolytic stability
- Good mechanical strength
- Based from natural, renewable, non-food chain raw material feedstock

CURE PROPERTIES

	FORMULATION	TEST METHOD
Desmodur 44V20L (Poly MDI: NCO eq. wt 133)	41.6	
Cardolite NX-9001LV (pbw)	100	
Gel time, 50 g @ 25°C (min)	48	NTM-15
@ 5°C (41°F) Dry Hard at 8mil WFT (hour)	12	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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