

CNSL-BASED ADHESIVES GUIDE FORMULATIONS



2K EPOXY- POLYURETHANE HYBRIDS WITH NX-5607 AND NX-2026

- Improved adhesion strength
- Increased flexibility
- Fast cure
- Curable at room temperature

BIO-BASED CURING AGENT AND
NCO BLOCKING AGENT

EPOXY - POLYURETHANE HYBRID ADHESIVES

BUILDING AND CONSTRUCTION,
ASSEMBLY, TRANSPORTATION,
ELECTRICAL/ELECTRONICS

Guide Formulation

Ingredients	Formula 1 Parts by weight	Formula 1 Parts by weight
Part A		
Epon 828 ²	100	70
NX-2026 ¹ blocked PU prepolymer (3.8% MDI functional PPG 2000 based)		30
Part B		
NX-5607 ¹	50	37.6

¹Cardolite ²Hexion

Typical Properties

Properties	Formula 1	Formula 2
Cure condition	40°C/16hr + 60°C/4hr (RT curable)	
Lap shear strength on blasted steel, MPa	15.3	20.3
T-peel strength (N/mm) on sand blasted Aluminum	0.22	0.7
Glass transition temperature, °C	93	85

PROCESSING

All liquid components are blended together with a high shear mixer. The product is generally degassed after mixing and before packaging. **Please refer to each supplier's material safety data sheet (MSDS) for the most current safety and handling information.**

DISCLAIMER

All statements, technical information and recommendations contained herein are based on tests Cardolite believes to be reliable, but the accuracy or completeness thereof is not guaranteed or warranted either express or implied including but not limited as to merchantability or fitness for a particular purpose. The formulations contained herein are not optimized for any particular use and are therefore, only to be considered as references. It is the responsibility of the user to fully test their formulations for the intended use. Use of the product is at the user's risk.



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