

# NEXUS™ 84301

## TOUGHENED EPOXY ADHESIVE

### TECHNICAL DATA

**APRIL 2016**

#### Product Description

Industrial Grade, flowable, toughened epoxy. Designed for high vibration or shock applications such as motor assembly. Excellent Insulator. Chemically Resistant.

#### APPLICATIONS

- Pneumatic
- Hydraulic
- Automotive
- Electronic

#### FEATURES

- RoHS & REACH Compliant
- Designed for high vibration and shock applications

#### SUBSTRATES

- Metals
- Plastics

#### PACKAGING

- Dual Cartridges
- Bulk

### TYPICAL PROPERTIES OF UNCURED MATERIAL

Property	Value, Part A	Value, Part B
Chemical Class	Epoxy	Amine
Appearance	Translucent	Light Amber
Viscosity, 10 RPM, cps	172,000	13,050
Viscosity, 100 RPM, cps	NA	8,045
Specific Gravity	1.14	1.10
Mix Ratio by Volume	2	1

### TYPICAL PROPERTIES OF CURED MATERIAL

Property	Value
Glass Transition Temperature (T <sub>g</sub> ), °C	80
Lap Shear Strength, Al/Al, PSI	3,315
Hardness, Shore	D80
Ultimate Tensile Strength, PSI	5,700
Elongation at Break, %	8
Operating Temperature, °C	-10 to 140
Volume Resistivity, Ω-cm	1 x 10 <sup>15</sup>

**\*All properties given are typical values and are not intended for use in preparing specifications.**

### CURE OVERVIEW

Gel Time (15cc mass), Min	20
Cure Options: Hrs @ 25°C	24
Cure Options: Hrs @ 65°C	1.5
Cure Options: Hrs @ 100°C	0.5
Clean-Up Solvent	Isopropyl Alcohol

### SHELF LIFE, STORAGE

18 ± 10°C 1 Year DOM

CONSULT SDS FOR SAFE HANDLING RECOMMENDATIONS.

### THIS MATERIAL IS SOLD FOR INDUSTRIAL USE ONLY

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