

NEXUS E100

Technical Data Sheet

Nexus E100 is a fast curing epoxy adhesive. This two part epoxy cures at room temperature and provides high strength bonds to a wide variety of substrates. Once cured it is resistant to many chemicals and solvents and works as an excellent electrical insulator.

APPLICATIONS	FEATURES	SUBSTRATES
• REPAIR APPLICATIONS	• CHEMICAL RESISTANCE	• METALS
• SEALING	• SOLVENT RESISTANCE	• PLASTICS
• BONDING	• ROOM TEMP CURE	

Typical Properties of Uncured Material*

Chemical Class	Epoxy/Mercaptan
Color, Mixed	Translucent
Viscosity, Part A @25°C, Spn7 @20RPM, cps	50,000 – 70,000
Viscosity, Part B @25°C, Spn6 @20RPM, cps	3,000 – 5,000
Specific Gravity Part A	1.18
Specific Gravity Part B	1.13
Mix Ratio, PBV (A:B)	1:1
Cleanup Solvent	Isopropyl alcohol

Cure Guidelines*

Work Life @ RT, minutes	5
Gel Time @ RT, minutes	4-8
Cure Time @ RT, hours	12

Typical Properties of Cured Material*

Durometer, Shore D	78
Tensile Strength, MPa, [psi]	4,000
Lap Shear Strength, Al / Al, psi	2,000
Operating Temperature Range, °C	-60 to 125

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

Storage

Keep stored between 8°C and 28°C in tightly closed containers away from direct sunlight. Keep from freezing. Please refer to product labeling for shelf-life information. Consult SDS for safe handling recommendations.

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