

# NEXUS E100-FC

## Technical Data Sheet

Nexus E100-FC 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
<ul style="list-style-type: none"> <li>• ELECTRICAL INSULATION</li> </ul>	<ul style="list-style-type: none"> <li>• CHEMICAL RESISTANCE</li> </ul>	<ul style="list-style-type: none"> <li>• METALS</li> </ul>
<ul style="list-style-type: none"> <li>• SEALING</li> </ul>	<ul style="list-style-type: none"> <li>• SOLVENT RESISTANCE</li> </ul>	<ul style="list-style-type: none"> <li>• PLASTICS</li> </ul>
<ul style="list-style-type: none"> <li>• REPAIRS</li> </ul>	<ul style="list-style-type: none"> <li>• FAST ROOM TEMP CURE</li> </ul>	

### Typical Properties of Uncured Material\*

Chemical Class	Epoxy/Mercaptan
Color, Mixed	Translucent
Viscosity, Part A @25°C, Spn7 @20RPM, cps	13,000 – 15,000
Viscosity, Part B @25°C, Spn7 @20RPM, cps	11,000 – 15,000
Specific Gravity Part A	1.17
Specific Gravity Part B	1.14
Mix Ratio, PBV (A:B)	1:1
Cleanup Solvent	Isopropyl alcohol

### Cure Guidelines\*

Work Life @ RT, minutes	4
Gel Time @ RT, minutes	3-4
Cure Time @ RT, hours	1 to 6

### Typical Properties of Cured Material\*

Durometer, Shore D	80
Tensile Strength, MPa, [psi]	3,830
Lap Shear Strength, Al / Al, psi	1,800
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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