

NEXUS E210

Technical Data Sheet

Nexus E210 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"> • MEDICAL 	<ul style="list-style-type: none"> • FDA COMPLIANT 	<ul style="list-style-type: none"> • METALS
<ul style="list-style-type: none"> • AUTOMOTIVE 	<ul style="list-style-type: none"> • ROHS AND REACH COMPLIANT 	<ul style="list-style-type: none"> • PLASTICS
<ul style="list-style-type: none"> • ELECTRONICS 	<ul style="list-style-type: none"> • ROOM TEMP CURE 	<ul style="list-style-type: none"> • GLASS

Typical Properties of Uncured Material*

Chemical Class	Epoxy
Color, Mixed	Translucent Amber
Viscosity, Part A @25°C, Spn7 @20RPM, cps	10,000 – 14,000
Viscosity, Part B @25°C, Spn7 @20RPM, cps	3,000 – 5,000
Specific Gravity Part A	1.16
Specific Gravity Part B	0.98
Mix Ratio, PBV (A:B)	1:1
Cleanup Solvent	Isopropyl alcohol

Cure Guidelines*

Work Life @ RT, hours	1
Gel Time @ RT, hours	1
Cure Time @ RT, hours	12-24

Typical Properties of Cured Material*

Durometer, Shore D	80
Tensile Strength, MPa, [psi]	7,000
Lap Shear Strength, Al / Al, psi	2,500
Operating Temperature Range, °C	-60 to 150

***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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