

NEXUS U100N

Technical Data Sheet

Nexus U100N is a room temperature curing two part polyurethane system designed to be used for high performance bonding applications. This one to one mix ratio product cures at room temperature in 12-24 hours to a tough and flexible polymer.

APPLICATIONS	FEATURES	SUBSTRATES
<ul style="list-style-type: none"> • REPAIR APPLICATIONS 	<ul style="list-style-type: none"> • FLEXIBLE 	<ul style="list-style-type: none"> • METALS
<ul style="list-style-type: none"> • SEALING 	<ul style="list-style-type: none"> • MOISTURE RESISTANCE 	<ul style="list-style-type: none"> • PLASTICS
<ul style="list-style-type: none"> • BONDING 	<ul style="list-style-type: none"> • ROOM TEMP CURE 	<ul style="list-style-type: none"> • GLASS

Typical Properties of Uncured Material*

Chemical Class	Isocyanate/Polyol
Color, Mixed	Clear
Viscosity, Part A @25°C, Spn6 @20RPM, cps	8,000 – 14,000
Viscosity, Part B @25°C, Spn4 @20RPM, cps	1,000 – 1,500
Specific Gravity Part A	1.11
Specific Gravity Part B	1.05
Mix Ratio, PBV (A:B)	1:1
Cleanup Solvent	Isopropyl alcohol

Cure Guidelines*

Work Life @ RT, minutes	5
Gel Time @ RT, minutes	5
Cure Time @ RT, hours	12-24

Typical Properties of Cured Material*

Durometer, Shore D	45
Tensile Strength, MPa, [psi]	>1,000
Lap Shear Strength, Polycarbonate, psi	1,500
Operating Temperature Range, °C	-50 to 120

***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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