

Axis M-100N

Technical Data Sheet

Axis M-100N 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. This product is in full compliance with the RoHS directives 2002/95/EC and 2003/11EC.

APPLICATIONS	FEATURES	SUBSTRATES
General Medical	Biocompatible per ISO 10993-5 - pending	Various Plastics and Metals
	Room Temperature Cure	
	Clear	
	Flexible	
	Moisture Resistant	

Typical Properties of Uncured Material*

Chemical Class	Isocyanate : Polyol
Color (Part A / Part B)	Clear : Clear
Viscosity, Part A @25°C, Spn5 @20RPM, cps	10,000 – 15,000
Viscosity, Part B @25°C, Spn4 @20RPM, cps	1,000 – 1,300
Specific Gravity Part A	1.12
Specific Gravity Part B	1.06
Mix Ratio, PBV (A:B)	1 : 1
Cleanup Solvent	Isopropyl alcohol

Cure Guidelines*

Work Life of 100 grams @ RT, minutes	4
Gel Time of 100 grams @ RT, minutes	5
Cure Time @ RT, hours	24
Cure Time @ 65° C, minutes	45

Typical Properties of Cured Material*

Durometer, Shore A	85
Elongation, %	200
Tensile Strength, MPa, [psi]	7.5 [1,100]
Lap Shear Strength, Al / Al, psi	340

***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 sealed 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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