



# Axis M-120

## Technical Data Sheet

Axis M-120 is a high viscosity resin system designed for medical and industrial adhesive applications. This two-part epoxy is easily mixed, cures at room temperature and provides high peel resistance and shear strengths. Once cured it is resistant to an extensive range of chemicals and is stable over a wide temperature range. Axis M-120 complies with the Limit of Volatile Organic Compounds content in adhesives (GB 33372-2020) National Standard of the People's Republic of China.

APPLICATIONS	FEATURES	SUBSTRATES
General Medical	Biocompatible per ISO 10993-5	Various Plastics and Metals
Industrial Adhesive	Long work life	
Potting	Room temperature cure	
	Thermal Shock Resistant	

### Typical Properties of Uncured Material\*

Chemical Class	Epoxy : Amine
Color (Part A / Part B)	Off-white : Amber
Viscosity, Part A @25°C, Spn7@20RPM, cps	100,000 – 150,000
Viscosity, Part B @25°C, Spn5 @20RPM, cps	3,000 – 4,500
Specific Gravity Part A	1.17
Specific Gravity Part B	0.97
Mix Ratio, PBV (A:B)	2 : 1
Cleanup Solvent	Isopropyl alcohol

### Cure Guidelines\*

Work Life of 100 grams @ RT, minutes	35
Gel Time of 100 grams @ RT, minutes	60
Cure Time @ RT, hours	48
Cure Time at 65°C, hours	2

### Typical Properties of Cured Material\*

Durometer, Shore D	77
Elongation, %	<10%
Tensile Strength, MPa, [psi]	38 [5,600]
Lap Shear Strength, Al / Al, psi	2,000
Lap Shear Strength, PEEK/PEEK, psi	170

\*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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