

# AXIS™ M-120

## MEDICAL GRADE EPOXY ADHESIVE

**TECHNICAL DATA**
**APRIL 2017**
**Product Description**

Axis M-120 is a high viscosity resin system designed for 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.

**APPLICATIONS**

- Medical
- Potting
- Industrial adhesive

**FEATURES**

- RoHS & REACH Compliant
- Impact and peel resistant
- Thermal shock resistant
- Moisture resistant
- Room temp cure
- Long work life

**SUBSTRATES**

- Ceramics
- Plastics

**PACKAGING**

- Dual Cartridges

**TYPICAL PROPERTIES OF UNCURED MATERIAL**

Property	Value, Part A	Value, Part B
Chemical Class	Epoxy	Amine
Appearance	Off White	Amber
Viscosity, 10 RPM 25°C, cps	-	112,000
Viscosity, 100 RPM 25°C, cps	3,200	-
Specific Gravity	1.16	1.00
Mix Ratio by Volume	2	1

**TYPICAL PROPERTIES OF CURED MATERIAL**

Property	Value
Lap Shear Strength, Al/Al, PSI	4,800
Hardness, Shore	D80
Ultimate Tensile Strength, PSI	5,900
Elongation at Break, %	40
Dielectric Strength, PSI	25
Operating Temperature (°C)	-60 to 150
Volume Resistivity, Ω-cm	-

**\*All properties given are typical values and are not intended for use in preparing specifications.**

**CURE OVERVIEW**

Pot Life @ 25°C, Min	120
Cure Options: Hr @ 25°C	48
Cure Options: Hr @ 65°C	2
Clean-Up Solvent	Isopropyl Alcohol

**SHELF LIFE, STORAGE**

18 ± 10°C Bulk: 1 Year DOM; Packaged: 6 Months DOM

MATERIAL IS LIGHT SENSITIVE. CONSULT SDS FOR SAFE HANDLING RECOMMENDATIONS.

**THIS MATERIAL IS SOLD FOR INDUSTRIAL USE ONLY**

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