

AXIS™ M100-N

MEDICAL GRADE ADHESIVE

TECHNICAL DATA

MARCH 2016

Product Description

Resin Design's Axis M100-N 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 2003/11/EC. Axis M100-N has been qualified to the ISO 10993 Protocol as a means to assist in the selection of products for use in the medical device industry.

APPLICATIONS

- Disposable Medical Devices

FEATURES

- RoHS & REACH Compliant
- Moisture resistant
- Flexible

SUBSTRATES

- Polycarbonate

PACKAGING

- Dual Cartridges
- Bulk

TYPICAL PROPERTIES OF UNCURED MATERIAL

Property	Value, Part A	Value, Part B
Chemical Class	Isocyanate	Polyol
Appearance	Clear	Clear
Viscosity, 10 RPM @ 25°C, cps	7,000 to 11,000	1,000 to 2,000
Viscosity, 100 RPM @ 25°C, cps	7,000 to 11,000	1,000 to 2,000
Specific Gravity	1.11	1.05
Mix Ratio by Volume	1	1

TYPICAL PROPERTIES OF CURED MATERIAL

Property	Value
Glass Transition Temperature (Tg), °C	-20
Lap Shear Strength, Al/Al, PSI	> 1850
Hardness, Shore	D45
Ultimate Tensile Strength, PSI	> 500
Elongation at Break, %	170
Operating Temperature, °C	-50 to 100
Volume Resistivity, Ω-cm	1 x 10 ¹⁵

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

CURE OVERVIEW

Gel Time (15cc mass), Min	8 to 10
Cure Options: Hrs @ 25°C	12 to 24
Cure Options: Min @ 65°C	30 to 45
Clean-Up Solvent	Isopropyl Alcohol

SHELF LIFE, STORAGE

18 ± 10°C 1 Year DOM

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

THIS MATERIAL IS SOLD FOR INDUSTRIAL USE ONLY

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