

## Axis M-310

### Technical Data Sheet

Axis M-310 is a one-part heat cured epoxy for medical application. Material can be cured at 120° C to a tough material. Axis M-310 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
<ul style="list-style-type: none"> <li>• Needle Bonding</li> </ul>	<ul style="list-style-type: none"> <li>• Biocompatible per ISO 10993-5</li> </ul>	<ul style="list-style-type: none"> <li>• Metals</li> </ul>
<ul style="list-style-type: none"> <li>• General Medical</li> </ul>	<ul style="list-style-type: none"> <li>• One part</li> </ul>	<ul style="list-style-type: none"> <li>• Plastics</li> </ul>
	<ul style="list-style-type: none"> <li>• Heat cured</li> </ul>	

#### Typical Properties of Uncured Material\*

Chemical Class	Epoxy
Color	Cloudy
Viscosity, @25°C, Spn6@20RPM, cps	4,000 – 6,500
Specific Gravity	1.15
Cleanup Solvent	Isopropyl alcohol

#### Cure Guidelines\*

Cure Time @ 120°C, minutes	30
Cure Time @ 80°C, minutes	30
Cure Time @ 70°C, minutes	120

**Cure testing was done in an open system and results will vary with application. Testing should be done in each application to determine proper cure time.**

#### Typical Properties of Cured Material\*

Durometer, Shore D	>70
Elongation, %	<10%
Tensile Strength, MPa, [psi]	29 [4,200]
Lap Shear Strength, Al / Al, psi	1,700

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

#### Storage

Keep stored between 2°C and 8°C in tightly sealed containers away from direct sunlight. Please refer to product labeling for shelf life information. Consult SDS for safe handling recommendations.

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