

Axis M-310W

Technical Data Sheet

Axis M-310W is a one-part heat cured epoxy for medical application. Material can be cured at 120° C to a tough material.

APPLICATIONS	FEATURES	SUBSTRATES
<ul style="list-style-type: none"> • Needle Bonding 	<ul style="list-style-type: none"> • Biocompatible per ISO 10993-5 	<ul style="list-style-type: none"> • Metals
<ul style="list-style-type: none"> • General Medical 	<ul style="list-style-type: none"> • One part 	<ul style="list-style-type: none"> • Plastics
	<ul style="list-style-type: none"> • Heat cured 	

Typical Properties of Uncured Material*

Chemical Class	Epoxy
Color	White
Viscosity, @25°C, Spn6@20RPM, cps	5,000 – 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	75
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 -20°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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