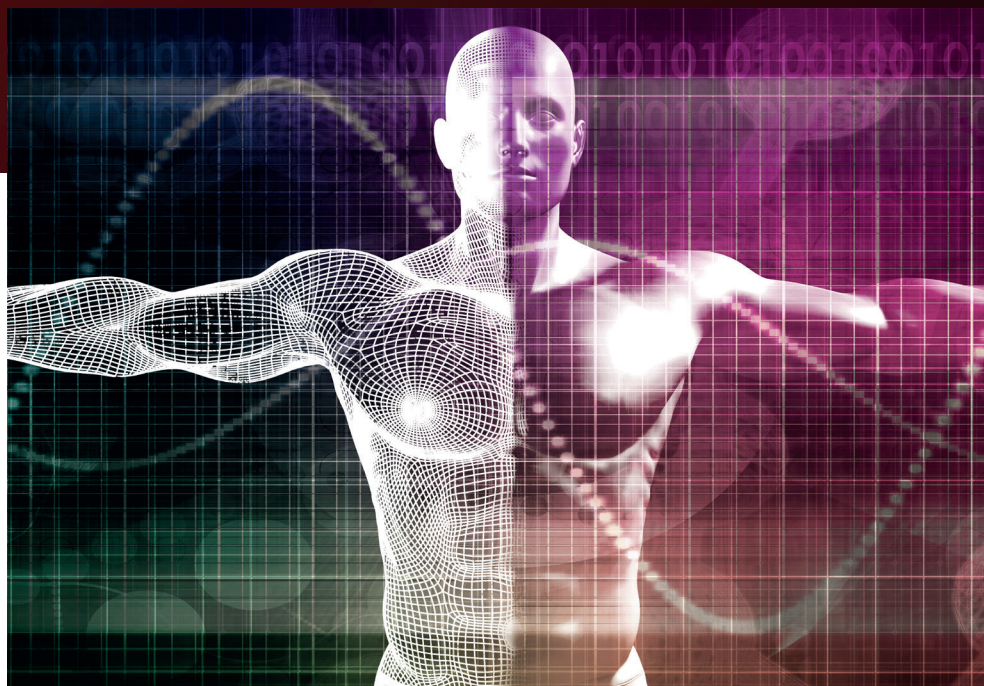


AXIS Medical & Biocompatible ADHESIVES



AXIS

ResinDesigns™

www.ResinDesigns.com



PRODUCTS

All AXIS Adhesives tested to ISO 10993-5 biotoxicity standard

TWO COMPONENT MEDICAL EPOXY ADHESIVES

- Room temperature and heat curing
- Typically superior chemical and temperature resistance
- Catheter assembly, surgical devices and instruments, heat exchangers

TWO COMPONENT POLYURETHANES

- Typically flexible and higher elongation capability
- Needle bonding, catheter assembly, medical devices

SINGLE & DUAL COMPONENT UV CURE

- Needle bonding, catheter assembly, medical devices
- Fast, simple curing mechanism for high volume and efficient assembly processes

AXIS ADHESION MATRIX

SUBSTRATE	AXIS 921	AXIS 931	AXIS 966 Family	AXIS 980	AXIS 991	AXIS 1007 CTH	AXIS 1026	AXIS 1064	AXIS 151-091	AXIS M2	AXIS M20 HP	AXIS M-30CL	AXIS M-120	AXIS M-310 Family
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- Excellent
- Good
- Fair

APPLICATIONS

- Needle Bonding
- Catheter Bonding and Assembly
- Medical Device Assembly
 - Chemical and Bodily Fluid Resistance
 - Difficult to Bond Substrates
 - Electrical and Thermal Property Enhancement
 - FDA direct & Indirect food contact

MEDICAL/BIOCOMPATIBLE & FDA COMPLIANT ADHESIVES

Resin Designs™, a division of Chase Corporation, designs and manufactures a complete line of medical adhesives, sealants and coatings to solve the complex challenges encountered in the production of medical devices. When assessing biocompatibility, our Axis product line is fully tested and compliant with the global medical device standard ISO 10993. You can be assured of solutions that are fully biocompatible and of consistent quality.

Our team of knowledgeable and dedicated polymer scientists have developed a wide range of products across numerous applications. We stand ready for potential customization for your specific needs. In addition, Resin Designs maintains manufacturing sites with the latest and most sophisticated production equipment and analytical testing devices. Our factories are fully ISO 9001 certified and all biocompatible materials are ROHS, REACH, and FDA compliant.



Product	Type/Color	Description	Viscosity	Hardness	Elongation	Applications
AXIS 921	UV Clear/Translucent	Autoclave resistant , low viscosity for smaller gap filling, relatively hard with minimal deformation, excellent and rapid bonding to plastics, metal, and glass, designed for catheter bonding and similar devices.	1,500	D80	40%	* Catheter assembly * Plastic medical device assembly * Autoclaveable devices
AXIS 931	UV Clear/Translucent	Designed for rapid bonding of both rigid and flexible PVC and polycarbonate substrates. Low viscosity for close fitting tolerances.	300	D65	40%	* Needle to cannule bonding * Catheter assembly * Glass and metal assemblies
AXIS 966 Family -966 (Clear) -966F (Flourescent) -966M (Red)	UV Clear or Red	Soft, flexible needle bonding adhesive family. Also capable as catheter adhesive. Available with flourescent additive or red pigment for visibility, soft with high elongation and flexibility bonding to plastics.	800	A35	500%	* Needle to cannule bonding * Catheter assembly * Glass and metal assemblies
AXIS 980	UV Clear or Red	Firm to hard clear, flexible needle bonding and medical device adhesive.	1,500	D70	66%	* Needle bonding * Catheter assembly * Plastic medical device assembly
AXIS 991	UV Clear/Translucent	Needle bonding adhesive; cannulae to hubs. Medium range viscosity and hardness.	900	D65	10%	* Needle bonding * Catheter assembly * Plastic medical device assembly
AXIS 1007 CTH	UV Clear/Translucent	High viscosity, relatively hard with minimal deformation, excellent and rapid bonding to plastics, designed for catheter bonding and similar devices.	53,000	D75	8%	* Catheter assembly * Plastic medical device assembly
AXIS 1026	UV Clear/Translucent	Low viscosity needle bonding adhesive for cannulae into hubs and lancets. UV tracer for visibility and inspection.	150	D65	8%	* Needle to cannule bonding * Catheter assembly * Glass and metal assemblies
AXIS 1064	UV Clear/Translucent	Low viscosity needle bonding adhesive for cannulae into hubs and lancets. Secondary heat cure for faster processing capability and UV tracer for visibility and inspection.	150	D75	5%	* Needle to cannule bonding * Catheter assembly * Glass and metal assemblies
AXIS 151-091	UV Epoxy Clear to Amber	FDA food contact compliant, 2 part UV gellable epoxy with long work life for medical devices and packaging. Heat cure option.	2,000	D70	30%	* Food contact applications * Plastic, glass, and metal medical device assembly
AXIS M2	Epoxy Clear to Amber	FDA direct and indirect food contact compliant (21 CFR 175.105 and 21CFR 175.300), for medical devices and packaging.	14,000	D78	<10%	* Food contact applications * Plastic, glass, and metal medical device assembly
AXIS M20 HP	Epoxy Off White	High viscosity, high peel strength epoxy with visible bond lines for general purpose medical device assembly. Forms off-white bond line for visibility of placement. Chemical resistant with 30 minute gel time and 22 hour RT cure time.	80,000	D78	30%	* Medical device assembly * Larger gap filling
AXIS M-30CL	Epoxy Clear/Translucent	High viscosity, high peel strength epoxy with visible bond lines for general purpose medical device assembly. Forms off-white bond line for visibility of placement. Chemical resistant with 30 minute gel time and 22 hour RT cure time.	8,000	D75	<10%	* Medical device assembly * High temperature applications
AXIS M-120	Epoxy Off White	White, high viscosity, peel and shear strength structural medical device assembly adhesive. Durable, high thermal and mechnical shock resistant adhesive for demanding assembly requirements. Gel time 2 hours and cure time 48 hours at RT.	57,000	D80	<10%	* Medical device assembly * High temperature applications
AXIS M-310 Family -310W (white) -310 (clear)	Epoxy White or Clear	1 part heat-curable medical epoxy assembly adhesive. Medium viscosity, high strength, durable, rigid.	6,000	D70	5%	* High demand medical device assembly * Plastic, metals, and glass

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