



Advanced Specialty Polymers

**Adhesives,
Sealants,
Encapsulants
and Coatings
for:**

MRI

Endoscopes

Ultrasound Probes

**Cardiac & General
Purpose Catheters**

Defibrillators

Electronics

Needle Bonding

Dental Equipment

**Acoustic
Technology**



EpoxySet is dedicated to meeting the stringent engineering demands of medical device manufacturers.

Our epoxies, urethanes and silicones offer a wide range of capability, workability and durability to solve the most intricate applications. These polymers meet the biocompatibility requirements of USP Class VI and all other standards applicable to the industry.

Extensive formulating experience allows us to quickly modify existing products to meet your special requirements.

We offer packaging and application configurations to support all manufacturing processes from manual to highly automated assembly.



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EpoxySet Products for the MEDICAL DEVICE INDUSTRY

In addition to our full line of electrically and thermally conductive, optical, structural and UV cure products, we specialize in custom formulations. Many products are USP Class VI certified and meet requirements for ISO-10993.

STRUCTURAL ADHESIVES		
SetWORX 60	60 minute, toughened epoxy adhesive for high strength bonding. SetWORX 90 is a longer work life version.	Bonding and sealing applications for medical plastics and implants. Also used for bonding surgical tools and general purpose bonding.
EB-135	30 minute work life, ultra-clear bond line, high impact resistance epoxy.	Bonding, sealing, potting, and coating applications. Also for molding medical implants and hybrid leaded packages.
EB-119M	Unfilled, low viscosity epoxy adhesive. High temperature resistant.	Snap cure and/or high temperature applications. EB-119M can be used for bonding, small potting, coating, and sealing.
SetWORX-411HP	Toughened, one component, high strength epoxy adhesive.	Sealing or bonding metals and plastics. High bond strength to a variety of metals and plastics. High temperature resistance and high Tg.
ELECTRICALLY/THERMALLY CONDUCTIVE ADHESIVES		
EO-21	Two component, room temperature cure, conductive adhesive.	Bonding of metals, ceramics, and plastics as used in electronic parts, where good adhesion combined with conductivity is required.
EO-30M-1	1:1, long work life epoxy. Semi flexible, exhibits high bond strength and heat resistance.	Flexible circuits, PZT connections, acoustic matching, and relay connections.
EO-32	High temperature resistant and thixotropic, 1:1 conductive epoxy.	Snap cure and/or high temperature applications. Excellent for use in IR sensors and thermometers.
EO-97M	One component, electrically conductive epoxy.	High temperature and/or snap cure applications. Current applications include pacemakers, hearing aids, and catheter assembly.
OPTICAL ADHESIVES		
EB-107LP-1	Low viscosity, ambient cure, clear epoxy.	Laminating adhesive for ultrasound technology, x-ray scintillator crystal array, and small potting.
EB-107LP-2	Low viscosity, long pot life, crystal clear epoxy.	Laminating adhesive, fiber optic image bundling, matching layer in acoustic technology.
EB-119M	High temperature resistant, snap cure, long pot life epoxy.	Fiber optic bundles, light guides, and endoscopes.
EB-130M-1	Low viscosity, ambient cure, clear epoxy. DOT non-corrosive for shipping.	Laminating adhesive for ultrasound technology, x-ray scintillator crystal array, and small potting.
UB-21/UB-55/ UB-70	Clear, low viscosity urethane adhesive with varying hardness.	Matching layer in acoustic technology, kerf fill material, and small potting for sensitive components.
UV CURE PRODUCTS		
UV-8509R	Low viscosity, semi-flexible, plastic bonding acrylic.	Used to bond PET clamshells, dental devices, medical imaging applications.
SetWORX UV-35G	Two-component, UV-gel epoxy. Gels upon UV exposure and cures fully at ambient temperature.	Gels in seconds upon UV exposure. Used in dental devices, pharmaceutical filtration devices.
UV-8504E	Low viscosity, high strength UV cure epoxy adhesive.	Multipurpose applications, cures in seconds upon UV, needle bonding, metal stent coatings.



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