



**BIOCOMPATIBLE/MEDICAL
ADHESIVES & ENCAPSULANTS**

EPO-TEK® Biocompatible/ Medical Adhesives, Coating, Potting and Encapsulants

Epoxy Technology, a global leader in specialty adhesives since 1966, has a full line of optical, thermally conductive (TCA), electrically conductive (ECA), UV and UV hybrid adhesives.

Many of our adhesives have undergone additional specialized **ISO 10993** testing to be classified as **biocompatible/ medical grade** adhesives, which we call our EPO-TEK® “MED” line.

Each “MED” product shipment will receive detailed documentation

- Certificate of Compliance for ISO 10993 testing from an independent outside laboratory
- Certificate of Analysis from EPO-TEK® Quality Department for each specific lot

ISO 10993 compliant products – (“MED”) Testing passing ISO 10993-4, 5, 6, 10, 11, 23		
	Product	Description
EPOXIES	MED-301	Clear and colorless, low viscosity, room temp cure, used for potting (worldwide standard for molding headers of implants)
	MED-301-2	Clear and colorless, low viscosity, long pot life, room temp cure
	MED-353ND	Medium viscosity, high Tg, high strength (worldwide standard for endoscopes)
	MED-353ND-T	Smooth thixotropic paste, high temperature resistance and strength
	MED-377	Low viscosity, long pot life, high Tg, low outgassing, used with fiber optic bundles
	MED-H20E	Smooth thixotropic paste, ECA with high thermal conductivity and high reliability
	MED-OD2002	Viscous liquid, high Tg with low modulus and good toughness, autoclave resistant
UV	MED-OG116-31	Viscous liquid, thixotropic, high Tg, UV curing with excellent chemical resistance
	MED-OG198-54	Clear, low viscosity, UV shadow curable with high Tg
ISO 10993-5 compliant products – (“MED”) Testing passing ISO 10993-5 cytotoxicity		
	Product	Description
EPOXIES	MED-301-2FL	More flexible version of MED-301-2
	MED-302-3M	Clear, medium viscosity, low temperature cure, low outgassing with low water absorption
	MED-302-3M Black	Black color, optically opaque, medium viscosity, low temp cure
	MED-302-3M-R	REACH compliant version of MED-302-3M
	MED-320	Black, opaque, thixotropic paste, room temp cure, potting, low fluorescence
	MED-323LP	Medium viscosity, long pot life with high Tg
	MED-353ND Black	High Tg, high temperature, black - colored epoxy
	MED-375	Medium viscosity, high Tg, long pot life with low outgassing
	MED-730-110	Medium viscosity, room temperature curable, thermally and electrically insulating epoxy
	MED-H20S	Smooth low viscosity paste, ECA with fine Ag particles for connections and EMI coating
	MED-HYB-353ND	UV hybrid curing epoxy, high temperature, very high strength and moisture resistance
	MED-T7110	Viscous liquid, TCA with low viscosity
UV	MED-OG198-55	Translucent, high viscosity, UV shadow curable with high Tg and high strength

ISO 10993 Testing Information & Certification

All of our medical grade adhesives are ISO 10993 tested. ISO 10993 testing was written to establish a worldwide rigorous set of standards for the medical industry. There are many tests involved in this standard for predicting a reaction to an adhesive within biological media. All EPO-TEK® medical device grade adhesives (“MED”) are subjected to testing by an independent outside testing laboratory to determine ISO 10993 compliance before they are added to our special “MED” line of products.

Two levels of testing may be performed on our products: ISO 10993-5 Cytotoxicity testing, or ISO 10993-4, 5, 6, 10, 11, 23 testing.



Common Applications Using EPO-TEK® Medical Device Grade Adhesives



Imaging systems

X-Ray equipment (Scintillator grids), CT scan, MRI, ultrasound (PZT connections), OCT, nuclear medicine

Key products

- MED-301
- MED-301-2
- MED-301-2FL
- MED-353ND
- MED-730-110
- MED-H20E
- MED-H20S
- MED-OG198-54
- MED-OG198-55
- MED-OG116-31
- MED-T7110



Diagnostics/scientific equipment

Patient monitoring, lab on a chip, sensors, glucose sensors, point-of-care-instrumentation

Key products

- MED-301
- MED-301-2
- MED-301-2FL
- MED-353ND
- MED-730-110
- MED-H20E
- MED-H20S
- MED-OG198-54
- MED-OG198-55
- MED-OG116-31
- MED-T7110



Surgical tools

Catheters, special dental equipment, electro surgical tools, fiber optic lasers, cryoablation, neurovascular

Key products

- MED-301
- MED-301-2FL
- MED-353ND
- MED-353ND Black
- MED-353ND-T
- MED-730-110
- MED-H20E
- MED-H20S
- MED-OG116-31
- MED-OG198-54
- MED-OG198-55

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Implantable/non-implantable devices

ICD/CRM/pacemakers, ophthalmic & neurostimulators, insulin pumps, cochlear, hearing aids, skeletal/spinal/ortho, LVAD

Key products

- MED-301
- MED-301-2
- MED-302-3M
- MED-302-3M Black
- MED-302-3M-R
- MED-323LP
- MED-353ND-T
- MED-730-110
- MED-H20E
- MED-H20S
- MED-OG116-31
- MED-OG198-54
- MED-OG198-55



Endoscopes & optical systems

Fiber-optic bundles, light guides/camera, attachment of probes, guide wire tips, capsule endoscopy

Key products

- MED-301
- MED-301-2
- MED-301-2FL
- MED-320
- MED-323LP
- MED-353ND
- MED-353ND Black
- MED-HYB-353ND
- MED-377
- MED-730-110
- MED-OD2002
- MED-OG198-54
- MED-OG198-55



Wearable devices

Continuous Glucose Monitoring (CGM) diabetic health-care, smart watches, rings, sports/fitness/recreation/activity trackers, augmented/sustained hearing with ear-buds, sensors, infant monitoring, IoT

Key products

- MED-301
- MED-301-2FL
- MED-353ND
- MED-353ND Black
- MED-353ND-T
- MED-730-110
- MED-H20E
- MED-H20S
- MED-OG116-31
- MED-OG198-54
- MED-OG198-55

Contact our **Medical Device Adhesive Experts** for technical discussions and assistance in finding the best adhesive solution for your bonding challenges.

Contact us



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