



MASTERBOND®

ADHESIVES | SEALANTS | COATINGS

Helping engineers meet specific requirements

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VITAL STATISTICS

Year Founded: 1976
Number of Facilities: 2

WHO WE ARE

Master Bond is a leading manufacturer of epoxy adhesives, sealants, coatings and potting/encapsulation compounds for the assembly of both disposable and reusable medical devices. Through research and development, we have been able to create innovative formulations with truly unique performance properties. Our materials are designed to meet the needs of manufacturers in the medical industry.

MAJOR MARKETS

Serving the advanced industries of aerospace, optics, electronics as well as oil and gas processing. Specializing in medical adhesives for diagnostic equipment, needle bonding, orthopedic devices and medical electronics.

SERVICES OFFERED

Silicone Compound Scores In Medical Applications

MasterSil 151Med is an optically clear, flexible, tough, high performance potting and encapsulation compound introduced by Master Bond. It exhibits superior electrical insulation properties and very low shrinkage upon cure. MasterSil 151Med is resistant to vibration and shock and has a service operating temperature range of -65°F to +400°F. It meets USP Class VI requirements for medical applications.

Innovative, High-Temperature Medical Adhesive

Master Bond EP42HT-2Med is a room temperature curable two component epoxy, adhesive, sealant, coating and casting material featuring high temperature resistance along with outstanding chemical resistance. It is widely used in the assembly of medical devices due to its capability of withstanding repeated sterilizations and its compliance with the testing requirements of USP Class VI plastics. EP42HT-2Med can also be used for potting and encapsulating up to 2-3 inches thick. It has excellent

electrical insulation properties and is serviceable from -60°F up to 450°F. EP42HT-2Med is widely used in the medical industry for manufacturing and repairing endoscopes, surgical instruments, catheters and many other medical devices. Additionally, EP42HT-2Med is available in black as a USP Class VI system.

High Performance, LED Curable System Meets USP Class VI Specifications

Master Bond LED403Med is a very special, one part LED curable system that can be used as an adhesive, sealant, coating and encapsulation system. It requires no mixing and has excellent dimensional stability, electrical insulation and chemical resistance after cure. LED403Med resists sterilization methods, including gamma radiation, ETO and various chemical sterilants. This system offers excellent optical clarity and light transmission properties and fully cures tack-free without any oxygen inhibition. LED403Med fully passes the plastics test for USP Class VI biocompatibility and ISO 10993-5 cytotoxicity requirements.

Custom Formulations and Technical Support

Master Bond's extensive product line offers designers and manufacturers of medical products a high level of reliability and performance. Our technical staff welcomes the opportunity to provide assistance to medical device manufacturers in the solution of specific assembly problems.

For an overview of all medical products in the Master Bond family, download or print a current catalog organized by chemistry, key properties and curing schedules.



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