

Master Bond Inc.
154 Hobart Street
Hackensack, NJ 07601
Phone: 201-343-8983
Fax: 201-343-2132
E-mail: main@masterbond.com
Web: www.masterbond.com

VITAL STATISTICS

Year Founded: 1976
Number of Facilities: 2

WHO WE ARE

Master Bond is an adhesives manufacturer providing leading-edge technology medical device adhesives. One- and two-part adhesives specifically designed for use in both disposable and reusable medical devices stand up to standard disinfectants and sterilization procedures. Medical adhesive systems meet USP Class VI biocompatibility standards.

MAJOR MARKETS

Serving advanced industries of aerospace, medical device manufacturing, optics and electronics as well plastics and offshore oil and gas operations.

SERVICES OFFERED

Fast-Cure Medical Adhesive

Master Bond EP3HTMED is a USP Class VI adhesive, combining the ease of a fast-curing epoxy adhesive with "no-mix." This adhesive exhibits an almost instant cure, requiring as little as 5 minutes at 300°F to cure. EP3HTMED produces high-strength bonds, over the wide service temperature range of -60°F to 400°F. It withstands impact, vibration and stress fatigue cracking and chemical sterilants, including EtO, radiation and autoclaving. EP3HTMED can improve the design of joints and the assembly of disposable and reusable medical devices, especially where reliable adhesive performance and speed of production are paramount.

Innovative, High-Temperature Medical Adhesive

Master Bond EP45HTMED is an innovative, high-temperature medical device adhesive meeting the biocompatibility requirements of USP Class VI specifications. It is widely used for structural bonding, sealing, coating and casting. As a high-temperature-

resistant thermoset epoxy, it can withstand the most demanding sterilization procedures, which is a vital property for reusable medical device maintenance. It maintains excellent adhesion performance even in long-term exposure to temperatures from -80°F to +500°F. Adhesion to metals, glass, ceramics, vulcanized rubber and many plastics is excellent. The cured epoxy is a superb electrical insulator.

UV-Curable Adhesive Is Now USP Class VI Certified

Master Bond UV18-Medical is a USP Class VI Approved UV-curable adhesive exhibiting good electrical and physical strength properties and excellent resistance to water, alcohols, acetone, MEK and other aggressive solvents. It cures in seconds with minimal shrinkage, and forms high-strength bonds between similar and dissimilar substrates. The service operating temperature range is from -80°F to +250°F.

Adhesive Bonds Slippery Polyethylene and Polypropylene

X17MED is a one-part, USP Class VI certified adhesive, formulated to bond polyethylene and polypropylene substrates without any special surface preparation. Polyolefins are among the hardest of all plastic surfaces to bond. Traditional polyolefin bonding products require special surface treatments in order to get good adhesion. X17MED is simple to use and easy to apply and can function as a polyolefinic primer as well. It is durable and water resistant and cures readily at room temperature.

www.masterbond.com

