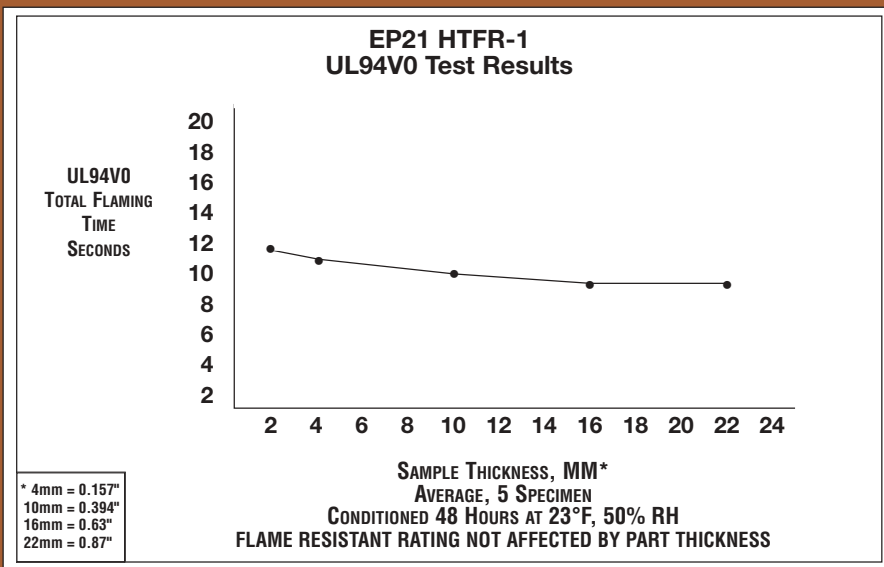


# Master Bond Business Digest

Volume 11, Number 314

## NONHALOGENATED EPOXY HAS EXCELLENT FLAME RESISTANCE



Master Bond Inc. of Hackensack, NJ has developed a new nonhalogenated epoxy resin system called EP21HTFR-1, which offers outstanding flame resistance and minimal smoke generation even upon prolonged exposure to open flames. Master Bond EP21HTFR-1 is a two component system with a user friendly one to one mix ratio. It cures readily at ambient or more quickly at elevated temperatures, and has a service operating temperature range up to 400°F.

EP21HTFR-1 is designed for bonding, sealing and casting applications. It has remarkably high physical strength properties as well as superior resistance to mechanical shock and vibration. EP21HTFR-1 is resistant to exposure to water, salt solutions, fuels and to many organic and inorganic chemicals. For ease of usage it is available in convenient applicators.

## ONE COMPONENT FLEXIBLE EPOXY ADHESIVE/SEALANT

New Master Bond Supreme 10HTFL is a single component flexible epoxy adhesive/sealant with an exceptional wide service temperature range of -300°F to +300°F. It features high physical strength properties and excellent adhesion to a wide range of both metallic and nonmetallic substrates. Supreme 10HTFL can be stored at ambient temperatures and does not require refrigeration.

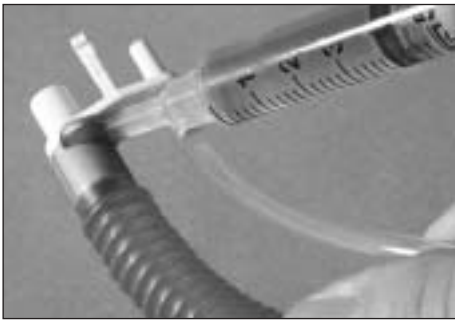
Supreme 10HTFL has high resistance to severe mechanical shock and vibration. The performance properties of this one component flexible epoxy are particularly impressive when bonding substrates with wide differences in their thermal expansion coefficients. Supreme 10HTFL has superior chemical resistance to water, salts, oils, fuels and many organic solvents. It is an excellent electrical insulator.



## UV CURE SYSTEM USP CLASS VI APPROVED

A new UV curable adhesive/sealant is now available that is biocompatible and meets USP Class VI requirements. Master Bond UV10 Medical was specifically designed for use in reusable and disposable medical devices. Cures can be achieved in seconds with a moderate intensity ultraviolet light source. It cures in the presence of air at room temperature and requires no heat.

UV10 Medical is a single component no mix system. It is extremely durable and has excellent adhesion to many substrates. This optically clear system resists many different sterilants, water and humidity.



## Master Bond Has Solutions To Your Plastic Bonding Problems

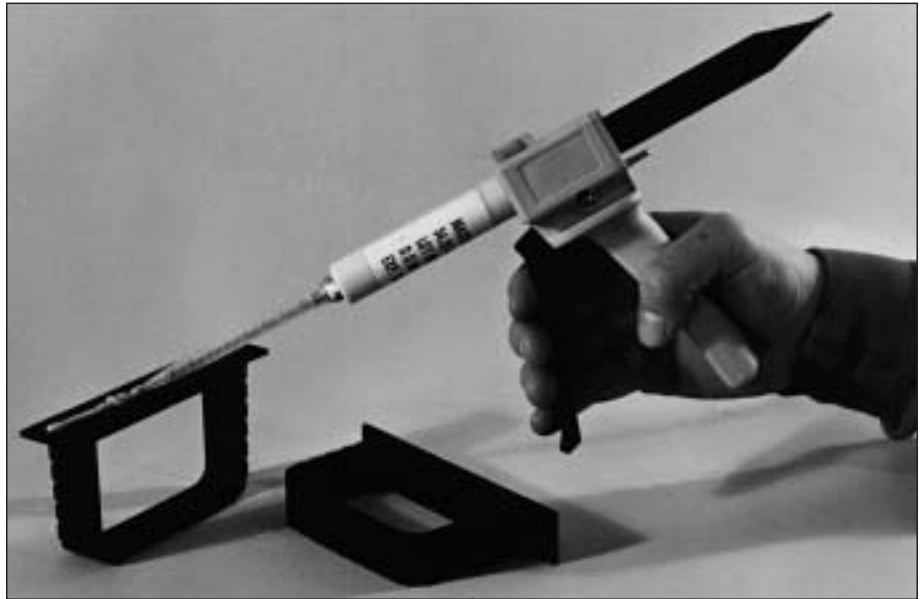
Bonding plastic parts is increasingly recognized as a major problem in many assembly operations. We have developed a comprehensive line of adhesive systems designed to bond plastics to each other as well as metals, rubber, ceramic, glass etc. Different compounds are available to bond specific plastics such as ABS, acrylics, acetals, polyesters, polyolefins, polyimides, polyphenylene oxide, polystyrene, PVC, nylons and fluoropolymers. Adhesive systems are available which feature desirable performance properties such as high bonding strength, impact resistance, thermal shock resistance, electrical insulation and dimensional stability. Additionally, Master Bond Inc. offers grades featuring optical clarity, controlled refractive index, high chemical resistance for service over an exceptionally wide temperature range.

**Nobody offers more experience or know-how involving bonding problems than Master Bond Inc. Contact us today and take advantage of our expertise!**

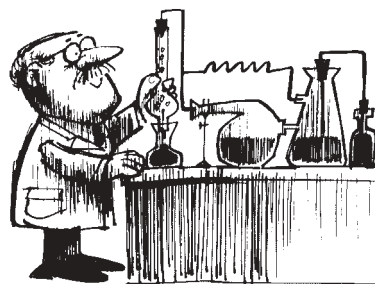
## TOUGH, ROOM TEMPERATURE CURING EPOXY RESISTS UP TO 425°F

A new toughened epoxy adhesive called Master Bond Supreme 33 is now available. Supreme 33 is extremely durable when cured and resists prolonged exposures of up to 425°F. It is particularly recommended for bonding dissimilar substrates exposed to thermal cycling. Additionally, it can be used in applications subject to heavy mechanical vibration and impact.

Supreme 33 is easy to mix and apply. Cure speed can be accelerated by heat. Bonds are resistant to fuels, oil, water and many aggressive chemicals. For ease of application usage Master Bond Supreme 33 is available in convenient packaging.



## HOT FROM THE LAB...



- ◆ **Room temperature curing one part silver conductive adhesive**
- ◆ **Ultra high strength UV curing adhesive has superior thermal stability**
- ◆ **Two component epoxy system resists concentrated sulfuric and hydrochloric acids**

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