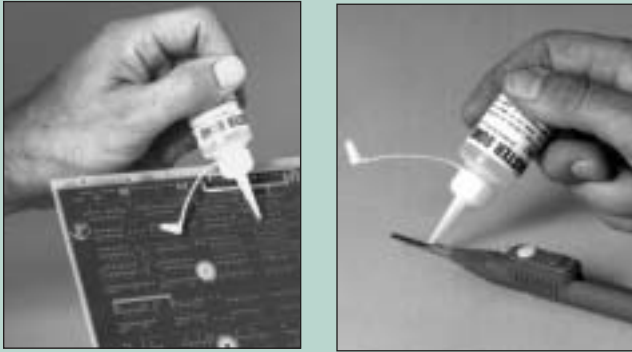


# Master Bond Business Digest

Volume 11, Number 315



## New UV Curable Epoxy Resists Chemicals & Water

Master Bond UV18S is a single component UV curable adhesive/coating which exhibits a level of chemical and water resistance unmatched by presently available UV curable products. This compound offers fast cures upon UV light exposure. It is easy to apply and has a low viscosity. UV18S is a 100% solid system and contains no solvents or diluents.

UV18S is specifically designed for application in adverse environmental conditions. It has excellent resistance to many organic and inorganic chemicals. It can resist exposure to ethanol, toluene and xylene for periods extending well beyond a week. It can even resist 50% sulfuric acid, sodium hydroxide and many salt solutions, in some cases for periods up to a week. Also noteworthy is its exceptionally low water vapor permeability.

## Silver Conductive Epoxy Film & Preforms Offer Fast Cures

New Master Bond FL901S silver conductive epoxy adhesive film and preform system offers enhanced productivity, simplified handling and reduced wastage. It cures very quickly at moderately elevated temperatures and can be stored at ambient temperatures without the need of refrigeration. The cured polymer material features a very high electrical conductivity. It also has a desirably high thermal conductivity.

Master Bond FL901S has excellent bond strength to both similar and dissimilar substrates. It also has remarkably high resistance to vibration and shock as well as thermal cycling. The low level of total ionic impurities of less than 50 ppm makes this product a preferred choice for even the most demanding electronic assembly applications.



## THE NEWEST WEAPON FOR THERMAL MANAGEMENT

Master Bond EP30AO is a thermally conductive, electrically insulative potting compound which greatly facilitates thermal management. It features a desirably high thermal conductivity of 10 Btu/in/ft<sup>2</sup>/hr/°F. EP30AO also offers outstanding protection to prolonged exposure to unfavorable environmental conditions.

Master Bond EP30AO is a two component epoxy compound which cures readily at ambient temperatures. This user friendly epoxy compound has an advantageously low viscosity, making it easy to apply. It features superior physical strength properties, outstanding chemical resistance and has a volume resistivity of  $5 \times 10^{14}$  ohm-cm. Master Bond EP30AO also features very good resistance to thermal cycling.

## USP Class VI Approved Epoxy Has Excellent Dimensional Stability

Master Bond has developed a new sealing, bonding and potting compound called EP30 Medical. This low viscosity two component system has superior bond strength, dimensional stability and hardness. The cured epoxy fully meets USP Class VI requirements.

EP30 Medical has excellent chemical resistance. It has a convenient 4 to 1 mix ratio by weight and cures fully at ambient temperatures or more quickly at elevated temperatures. EP30 Medical contains no solvents and emits no vapor or volatiles during cure. It is conveniently packaged in half pint, pint, quart, gallon and 5 gallon containers. For ease of application, it is also packaged in syringes, bubble packs and premixed and frozen syringes.



## HIGH PERFORMANCE SILICONE SYSTEMS

Master Bond Inc. offers a complete line of silicone adhesives, sealants, coatings and potting compounds to meet your needs. Select from a wide variety of Master Sil one and two component systems available in a variety of colors, viscosities, cure speeds, strengths, electrical properties and elongations. Master Bond's line of products are designed to withstand the most demanding requirements in industrial environments.

Master Sil compounds are easy to apply and are available in convenient applicators. Environmentally safe, these products represent the latest in polymer technology.

As a manufacturer of over 3,000 grades of adhesives, sealants and coatings, Master Bond, Inc., provides innovative solutions to many difficult problems. Our highly knowledgeable technical staff will be glad to answer any questions you may have.

## HOT FROM THE LAB...



- ◆ *Flexible epoxy system cures underwater*
- ◆ *One component flexible potting compound resists 10,000 hours at 200°C*
- ◆ *Light transmission curves for UV curables and optical grade epoxies*

## Master Bond Inc.

Adhesives, Sealants & Coatings

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