The following is a news release from Master Bond Inc. You have received it because you are listed as an editor for your publication.

Attached to this email is a low resolution version of the photograph that is included in the press kit for this product.

A high resolution version of this image and files with the body text of this release in Word, HTML and text formats are available at https://www.masterbond.com/newsrelease/ep42ht-2fg-black

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**FOR IMMEDIATE RELEASE**

**Food Grade Epoxy Features Enhanced Chemical Resistance**

EP42HT-2FG Black is a two part, moderate heat cured epoxy with high temperature resistance that complies with FDA 21 CFR 175.105 for indirect food contact applications. The epoxy withstands exposure to a wide range of harsh chemicals, including acids, bases, and solvents. It possesses good flow properties and can be employed for bonding, sealing, potting, and casting.

This compound has a relatively long working life of 105-150 minutes for 100 grams of the mixed material at 75°F. The color of Part A is black, and Part B is light amber, with a mix ratio of 100 to 30 by weight.  EP42HT-2FG Black cures optically opaque, and the recommended cure schedule is overnight at room temperature, followed by a heat cure at 150-250°F for 3 to 4 hours.

This thermally stable system offers a glass transition temperature of 145-150°C and is serviceable over a wide temperature range from -60°F to 450°F. It has a high tensile strength of 11,000-12,000 psi at room temperature and a tensile modulus of 400,000-450,000 psi. It is electrically insulative with a volume resistivity greater than 1014 ohm-cm and a dielectric constant of 4.6 at 60 Hz, at room temperature. These attributes make EP42HT-2FG Black suitable for potting and encapsulation type applications.

The system is recommended for indirect food applications particularly where the surrounding environment may be exposed to aggressive chemical washdowns or antibacterial agents. It is available in 1/2 pint, pint, quart, and gallon kits. Specialty packaging is also available in premixed and frozen syringes.

**Master Bond Chemically Resistant Adhesives**

Master Bond EP42HT-2FG Black is a two component, moderate heat cured epoxy system that offers chemical resistance to a wide range of bases and solvents. It is notable for complying with the FDA 21 CFR 175.105 requirement for indirect food contact and can thereby be used in food processing applications and assembly. Read more about Master Bond’s chemically resistant adhesives at <https://www.masterbond.com/properties/chemical-resistance> or contact technical support. Phone: +1-201-343-8983 Fax: +1-201-343-2132 Email: [technical@masterbond.com](mailto:technical@masterbond.com).

Note to Editors:

For a full product description, please visit: [https://www.masterbond.com/tds/ep42ht-2fg-black](https://www.masterbond.com/tds/ep42ht-2fg-black%20)

Check out new videos on our YouTube channel: <https://www.youtube.com/user/MasterBondVideo>

You can embed any of our videos on your website.

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