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/ep29lpspnd-3>.

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## FOR IMMEDIATE RELEASE

**Non-Drip Cryogenic Epoxy Offers Electrical and Thermal Insulation**

Master Bond EP29LPSPND-3 is a two component, non-drip epoxy compound with a paste consistency that can be used for bonding and sealing applications. The system is electrically non-conductive and thermally insulative, with a thermal conductivity of approximately 0.2 W/(m•K) at room temperature. It withstands cryogenic temperatures and is serviceable in the range from 4K to 250°F.

EP29LPSPND-3 features a coefficient of thermal expansion of 45-50 x 10-6 in/in/°C, a tensile strength of 6,000-8,000 psi, and a Shore D hardness of 70-80. This system has a volume resistivity exceeding 1015 ohm-cm at 75°F and a dielectric constant of 4.2 at 60 Hz. A key performance attribute is its ability to withstand temperature cycling even at cryogenic levels.

EP29LPSPND-3 has a mix ratio of 100:65 by weight with a long working life after mixing; a 100-gram batch will yield an open time of greater than 5 hours at 75°F. The color of Part A is clear-translucent, and Part B is amber-clear; it cures clear when applied in thin sections despite being a paste, with a refractive index of 1.56 at 589 nm. The recommended cure schedule is either 12-18 hours at 130-150°F or a faster 5-10 hours at 150-165°F. EP29LPSPND-3 is available in ounce jar kits, half pint kits, pint kits, quart kits, and gallon kits.

**Master Bond Epoxies for Cryogenic Applications**

Master Bond provides an extensive selection of high-performance epoxy formulations designed to endure the extreme conditions of cryogenic environments. Available as one- or two-part systems, these adhesives, sealants and coatings offer versatile curing options at ambient or elevated temperatures. Read more about Master Bond’s cryogenic compounds at <https://www.masterbond.com/properties/epoxy-adhesives-cryogenic-applications> or contact our technical support team to discuss your specific application needs.

TECH SUPPORT

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Note to Editors:

For a full product description, please visit: <https://www.masterbond.com/tds/ep29lpspnd-3>

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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