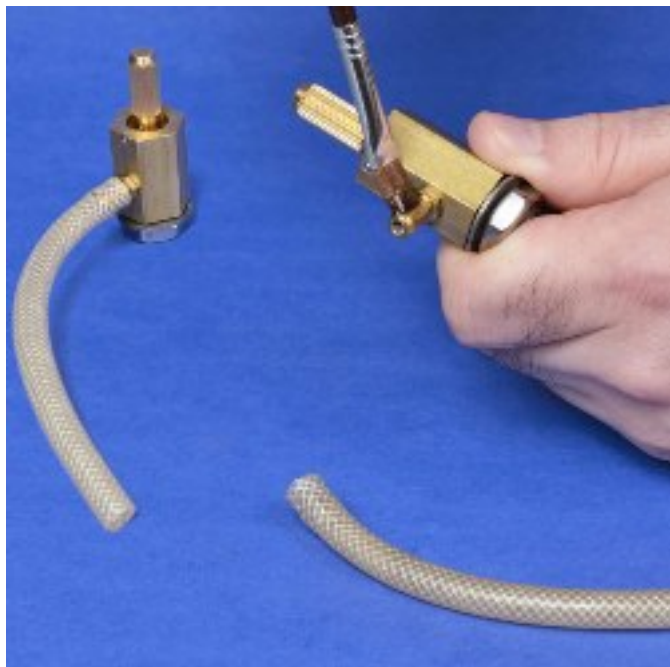


Abrasion Resistant, Flexible Adhesive is Serviceable at Cryogenic Temperatures



Master Bond elastomer system, EP30D-10, offers the strength, flexibility, performance, and adhesive qualities traditionally associated with epoxies, along with the toughness and abrasion resistance of polyurethanes. This two component adhesive is resistant to thermal cycling and chemicals including water, inorganic salts, acids, and alkalis. Serviceable over the wide temperature range of 4K to 220°F, EP30D-10 has been successfully used in numerous cryogenic applications. It cures at room temperature, or more rapidly at elevated temperatures. Parts more than an inch thick can be cast and cured without undue exothermic development. Featuring excellent electrical insulation properties and optical clarity, EP30D-10 is often used in casting and encapsulation applications in the electronic, aerospace, OEM, MRO, and optical industries.

Once cured, this flexibilized system develops a tensile strength of 1,500 psi and an elongation exceeding 150% at 75°F. It bonds well to a variety of substrates including, metals, wood, concrete, glass, vulcanized rubbers, and many plastics. This 100% reactive adhesive does not contain any solvents or diluents and is formulated to cure with minimal shrinkage.

Both parts of EP30D-10 are clear and have a 100:05 mix ratio by weight, with a mixed viscosity less than 100,000 cps, and a long working life of 180 minutes at room temperature for a 100 gram mass. With a shelf life of 1 year at room temperature (in its original packaging), it is available for use in half pint, pint, quart, gallon, and 5 gallon container kits.

Master Bond

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Published on Medical Design Technology (<http://www.mdtmag.com>)

201-343-8983; www.masterbond.com [1]

Source URL (retrieved on 01/25/2015 - 8:18am):

<http://www.mdtmag.com/product-releases/2012/04/abrasion-resistant-flexible-adhesive-serviceable-cryogenic-temperatures>

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