Mandana Polymer Industrial Group

Manufacturer of Liquid waterproofing membrane Epoxy Adhesive,Epoxy Flooring part making epoxy & Polymer Detergent

Black Epoxy Encapsulating & Potting Compound (EP702)

Description

black epoxy, known for its high-temperature resistance, is ideal for covering and insulating electrical parts like EP702 electronic boards and coils. It's easy to mix and use. This two-part black epoxy provides great insulation and protection. Once dry, this product solidifies and becomes inseparable from the board or circuit, ensuring the security of the electrical component

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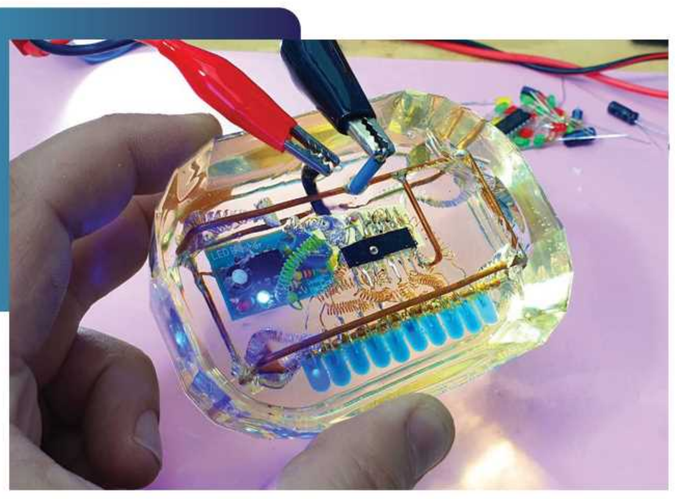
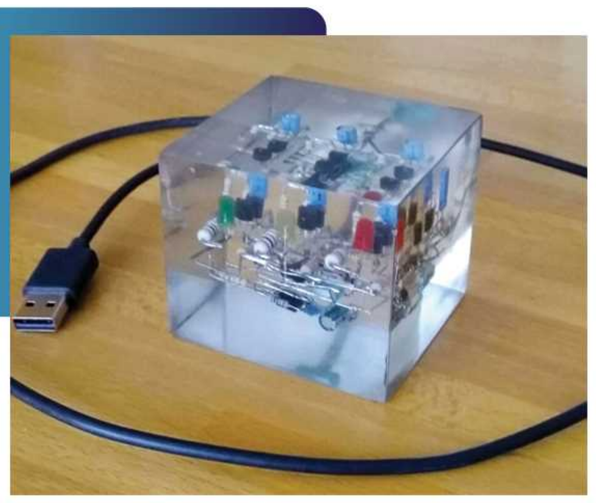
Features, Applications and Consumers

Feature	Application	Consumers
● Strong chemical resistance to acids, bases, and hydrocarbons solvents ● Effective protection of electronics against corrosion, fungus, thermal shock, and static discharges ● Resistance to water and humidity allowing submersion if needed ● Resists environmental conditions and UV light Highly resistant to impacts	● Encapsulate printed circuit assemblies and coating insulating metal surfaces ● Provides protective insulation ● Once cured, it enhances reliability, widens operational range, and extends the lifespan of electrical components ● Conceals and limits access to proprietary design features ● Shields sensitive electronic circuits from dust, moisture, and chemicals	● Automotive industry ● Marine industries ● Aerospace and aviation ● Industrial control equipment ● Water pumps ● Communication equipment





Physical and functional characteristics

Curing time(25-30°C)	Pot life	Touch cure	Full cure
	50min	8hours	48hours

Environmental implementation conditions		
Humidity 80% (max)	Temperature (25-30°C)	Before implementation, apply EP770 primer.

Optimal operating temperature range	-30 to 140°C		
Tools	Spatula		
Package	1, 5, 10kg		
Density (g/cm³) ASTM D792-00	1.25 ± 0.03		
Available shapes and colors	Soft and hard (10-30%)	Black colour	

Storage

- Store in a dry place, away from direct sunlight, water, and rain
- Avoid storing the material at temperatures below15°C
- EP810can be stored in its original sealed containers for12months when placed in a cool environment(<4°C)
- Once opened and resealed for later use, the shelf life could vary depending on storage conditions
- Always check product quality before using after prolonged periods of storage. If unsure, please contact the company for advice

Note

Keeping the resin at or close to freezing temperatures for a long time can cause it to crystallise. If this occurs, gently heat the resin container to 50-60 °C to restore it

Warranty and after-sales support

The performance of this product is guaranteed for12months from the date of purchase by the end user

Safety considerations

EP702decorative epoxy resin is non-toxic, but it's advisable to wear gloves, safety glasses, and work clothes when handling it. While this material isn't classified as hazardous to health or the environment, if it encounters your skin or eyes, rinse it with water

Health & Safety Advice

EP702is non-hazardous and solvent-free according to Safe Work Australia criteria, however, as a precaution, always provide good ventilation when applying. Wash off splashes of material with clean water, and wear gloves and eye protection. If irritation is experienced seek medical advice. Refer to the Safety Data Sheet for full safety and handling procedures