

LINQBOND™ ED-845CM



Two-component epoxy-based adhesive

- Excellent adhesion on different substrates
- Fast curing at room temperature
- High insulation, chemical resistance and anti-vibration

LINQBOND™ ED-845CM is a two-component, fast-curing epoxy adhesive with low viscosity, and self-leveling capability. The cured product exhibits excellent adhesion to different substrates such as glass, ceramics, plastics, rubber and metals. Furthermore, **LINQBOND™ ED-845CM** offers high electrical insulation even under high humidity, as well as chemical resistance and anti-vibration properties.

Overall, **LINQBOND™ ED-845CM** is an ideal solution for bonding, potting and sealing materials in different applications such as electronic components, handicraft and repairing. Additionally, it is an environmentally friendly, low-carbon product that complies with UL 94 HB flame retardancy standards.

Uncured Properties

Property	Value	Unit
Mixing Ratio (A:B)	1:1	by weight
Appearance	Transparent Liquid	–
Viscosity (23 °C)	15,000–50,000	cps
Pot Life (23 °C)	15–30	min
Density (23 °C)	1.03–1.07	g/cm ³

Recommended Curing Conditions

Property	Value	Unit
Surface Cure Time (23 °C)	10–30	min
Through Cure Time* (25 °C)	1–2	day

**The higher the temperature and humidity during curing, the faster the reactions and overall curing rate.*

Cured Properties

Property	Value	Unit
Hardness (Shore D)	70–80	–
Shear Strength	>100	kgf/cm ²
Elongation	5–20	%
Operating Temperature	–50 to 120	°C

Note: Sample was cured at 25 °C, 55% relative humidity for 7 days.

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Instructions for Use

1. Weigh the correct proportions and mix thoroughly, scraping both the bottom and the sides of the mixing container until a homogeneous mixture is obtained.
2. Ensure that the bonding surfaces are clean, dry, and properly prepared.
3. Use mixed product before pot life for optimum properties. Avoid large quantity mixing. Apply adhesive evenly to both surfaces for maximum bond strength.
4. Cure time depends on part geometry, materials, bond line thickness (recommended to be lower than 30 mm when used as potting), and oven efficiency. Confirm cure schedule with actual parts and equipment.

Caution for Use

While the risk of carcinogenicity from skin contact is considered low, mild skin redness may occur. In the event of skin contact, immediately wash thoroughly with soap and water, avoid the use of solvents. Ingestion of this product is moderately toxic, if the product is accidentally swallowed, do not induce vomiting unless directed by medical personnel. In case of eye contact, immediately flush the affected eye(s) thoroughly with clean water for a minimum of 15 minutes and seek medical attention promptly. For comprehensive safety information, please consult the Material Safety Data Sheet (MSDS).

Storage and Handling

Use **LINQBOND™ ED-845CM** in a well-ventilated environment. Store the container in a cool, dark place, away from direct sunlight. Shelf life when stored at room temperatures between 10 and 30°C is 183 days (6 months). Keep the container sealed and prevent moisture contamination when not in use.

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