

LINQBOND ED-425PL



Two-component epoxy-based adhesive

- Strong adhesion to rubber, plastics, metals and electronic components
- Excellent toughness and thermal shock resistance
- Low outgassing and RoHS compliant

LINQBOND ED-425PL is a two-component epoxy adhesive with strong adhesion to rubber, plastics, metals, and electronic components. It is formulated to resist chemicals, as well as harsh environmental conditions. **LINQBOND ED-425PL** offers excellent toughness and thermal shock resistance. Its hardened surface remains free of oiliness and maintains good gloss. Additionally, the cured product exhibits low outgassing. This adhesive is also suitable for general-purpose potting and bonding applications.

LINQBOND ED-425PL is easy to handle and mix, and it fully complies with environmental regulations, including the RoHS 2011/65/EU Directive.

Uncured Properties

Property	Part A	Part B	Unit
Appearance	Liquid, Colorless	Liquid, Yellow	–
Viscosity (25 °C)	30000 (*)	4800 (**)	cps
Specific Gravity	1.16	0.98	–

*Spindle 14, 20 rpm, **Spindle 14, 100 rpm

Recommended Curing Conditions

Property	Value	Unit
Mixing Ratio (A:B)	2:1	by weight
Pot Life (25 °C)	30	min
Surface Drying Time (25 °C)	8	h
Through Cure Time at 25 °C	7	day
at 80 °C	1	h

Cured Properties

Property	Value	Unit
Hardness	75	Shore D
Glass Transition Temperature (DSC)	40	°C

Note: Sample was cured at 80 °C for 1 hour.

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Instructions for Use

1. Make sure that the substrate is clean and free of contaminants, such as dirt, grease, or mold release agents. A simple solvent wipe is often sufficient.
2. Thoroughly mix the parts A and B at a 2:1 weight ratio until a homogeneous mixture is formed.
3. Cure time will depend on actual production parts and equipment such as part geometry, materials, bondline thickness and the oven temperature.
4. For maximum bonding strength, apply the adhesive evenly to both surfaces to be joined.

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

Store the container in a cool, dark place, away from direct sunlight. Exposure to sunlight may cause the resin and hardener to yellow. Shelf life when stored at room temperature between 14 and 34 °C is 365 days (12 months). Keep the container sealed and prevent moisture contamination when not in use and be sure to replace the lid immediately after each use.

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