

LINQBOND PM-2632



Two-part flame retardant potting epoxy resin

- Low viscosity
- Low-temperature curing
- Ideal potting material for capacitors and epoxy resin for edge casting

LINQBOND PM-2632 is a black, two-part flame-retardant potting epoxy resin. With its low viscosity after mixing, it offers a long service life and easy application process. **PM-2632** can be cured at low temperature, and once cured, it exhibits excellent electrical, thermal dissipation, and mechanical properties. **LINQBOND PM-2632** is an ideal potting material for small electronic components, such as capacitors, and epoxy resin for edge casting applications.

Premixed properties

Property	Part A	Part B
Appearance	Black liquid	Light yellow transparent liquid
Specific gravity at 25 °C	1.55±0.05	1.09±0.01
Viscosity at 25 °C	9700±2300 cP	100±20 cP
Shelf life	183 days	183 days

Mixed properties

Property	Value	Unit
Mixing ratio by weight	100:25	-
Pot life (for a 100 g resin at 25 °C)	50–65	min

Cured properties

Property	Value	Unit	Method
Volume resistivity at 25 °C	$>1.0 \times 10^{14}$	$\Omega \cdot \text{cm}$	GB/T 1410-1989
Dielectric breakdown voltage at 25 °C	16–18	kV/mm	GB 1408-1989
Impact strength	5–8	kgf/cm ²	GB/T 1043-1993
Flexural strength	8–10	kgf/mm ²	–
Hardness	70–75	Shore D	GB/T 2411-2008
Glass transition temperature	67	°C	–
Coefficient of thermal expansion, α_1/α_2	50/156	ppm/K	–
Flame retardancy	V0	UL-94	–
Water absorption after 24 h	<0.3	%	–

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Recommended Curing Conditions

Cure at **25 °C for 24 hours**, or **60 °C for 4 hours**, or **80 °C for 2 hours**.

These guidelines offer recommended curing parameters. Define the exact curing parameters to align with your product specifications.

Precautions for Use

1. Storing Part A for an extended duration may cause filler precipitation. Stir thoroughly before use to achieve uniform filler distribution.
2. During cold seasons, preheat Part A at 30–50 °C for best results.
3. The usable time of Parts A and B after mixing is affected by temperature and mixing volume. The higher the temperature and the larger the mixing volume, the shorter the usable time. Therefore, the mixing temperature and mixing volume should be determined according to the on-site operation.
4. Please wear relevant protective equipment before use, minimizing direct contact with the skin. Pay careful attention to the details and review the Material Safety Data Sheet (SDS) before initiating use.

Please note that the provided information is based on available data and typical conditions. For specific applications and detailed test results, refer to the actual test data and conduct appropriate certifications.

Storage and Handling

Store in a ventilated, dry, and clean environment at room temperature. Keep away from fire and heat sources. At proper storage conditions, Part A and Part B both have a shelf life of 183 days. Shelf life can be extended by using cold storage.

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