



Product Features

- Good fluidity and self-leveling after mixing
- Excellent electrical insulation properties
- No shrinkage or exothermic reaction during curing
- Forms a soft, flexible elastomer after curing
- Superior resistance to thermal shock
- Long-term storage stability: remains loose and easy to stir without hardening or settling

Typical Application

- Potting for lithium batteries in e-bikes, e-trikes, and scooters
- Transformers, ballasts, inverters, and relays
- Potting and encapsulation of electronic components and printed circuit boards (PCBs)
- Solar inverters and charging pile modules
- Network junction boxes

Direction for use

- Before mixing, first stir Component A and Component B thoroughly in their respective containers.
- During mixing, adhere to the weight ratio of Component A : Component B = 1 : 1.
- Generally, for potting thicknesses below 20mm, the product can deaerate naturally. As higher temperatures accelerate the curing speed, deaeration may be necessary for products with greater potting thickness. To remove bubbles generated on the surface and internally after potting, place the mixture into a vacuum chamber and deaerate for at least 5 minutes under a vacuum of -0.08 MPa.
- Curing should be performed at or above the temperatures indicated in the technical parameters table (before and after curing) for the corresponding duration. The curing time may exceed the specified time for thicker applications. Curing can be performed at room temperature or with heat. The curing speed of the compound is influenced by the curing temperature. It requires a very long time to cure in winter; therefore, heat curing is recommended. Cure at 80°C for 30 minutes; curing at room temperature typically requires about 8 hours.

technical parameter

Reference standard 1	project	unit	builder		
			A	B	
/	Freeze	surface	/	Grayish black fluid	White fluid
ASTM 2196		dynamic viscosity	cps	4000±500	4000±500
/	processability	Usage ratio	/	1:1	
ASTM 2196		Viscosity after mixing	cps	4000±500	
/		Available time (25 °C)	min	40-60	
/		Heat curing (80°C)	min	25-30	
ASTM D2240	Frozen	hardness	shore A	40±5	
/		Temperature range	°C	-50~200	
ASTM D792		density	g/cm ³	1.6±0.1	
ASTM D150		dielectric constant	1.2MHZ	3.0~3.3	
ASTM D257		mass resistivity	Ω.cm	≥10 ¹³ 10	
ASTM D149		dielectric strength	KV/mm	≥12	
ASTM D412		elongation	%	≥100	
UL-94		fire resistance	UL-94	V0	
ASTM D5470		thermal conductivity	W/m.k	0.7±0.1	

Note 1: The reference standard is not dated, and its latest version applies to this document.

matters need attention

1. After operation, immediately seal any unused adhesive (unmixed) from A and B for storage.
Store. Mix thoroughly before use.
2. If accidentally comes into contact with skin, wipe clean and rinse with water. If accidentally comes into contact with Eyes, rinse immediately with water and go to the hospital for examination
3. For safety data, please refer to the product's MSDS.

Storage requirements

1. This product is non-toxic and non-hazardous, and can be handled and transported as general chemicals
2. Pay attention to sealing after use, and store in a cool, dry and ventilated place.
3. The product has a shelf life of 12 months when stored in a sealed condition

packing specifications

- 25kg per set (Group A component 12.5Kg + Group B component 12.5Kg)
- 50kg per set (25kg Group A + 25kg Group B)
- 600kg per set (Group A: 300kg + Group B: 300kg)

special explanation

The data in this manual are obtained under laboratory conditions. Due to the differences in the use environment, users should refer to these data and use conditions for analysis and test. Kuayue Electronics does not guarantee the sale of products and the use of Kuayue Electronics products under specific working conditions, and does not assume any direct, indirect or accidental losses. If users encounter any problems in the use process, they can contact the service department of Leapfrog Electronic Technology, and we will provide you with all the help.

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