

# LINQBOND™ PM-1211



## Two-component Silicone Potting Material

- Solvent-free
- Excellent weather resistance, aging resistance, UV resistance
- Room temperature curing

**LINQBOND™ PM-1211** is a two-component silicone potting material engineered for room temperature curing, condensation and dealcoholization type of potting material. It offers self-leveling capability, high and low temperature resistance, exceptional ageing resistance, insulation, moisture and shock resistance.

**LINQBOND™ PM-1211** is suitable for potting and sealing of electronic components with transparency requirements, LINQBOND™ PM-1211 seamlessly integrates into your projects, ensuring a smooth and reliable finish.

### Premixed properties

Property	Part A	Part B
Appearance	Colorless	Transparent
Viscosity at 25 °C	1500–2500 cP	10–100 cP
Density	0.95–1.05 g/cm <sup>3</sup>	0.95–1.05 g/cm <sup>3</sup>
Shelf life	183 days	183 days

### Mixed properties

Property	Value	Unit
Mixing ratio	10:1	–
Viscosity after Mixing	500–1500	cP
Pot Life	60±30	min
Full Curing Time	24	h

### Cured properties

Property	Value	Unit
Shore Hardness	10-30	Shore A
Shear Strength	800	kPa
Operating Temperature	–60 to 200	°C
Thermal Conductivity	0.3	W/m · K
Dielectric Strength	≥18	kV/mm
Volume Resistance	≥1.0×10 <sup>14</sup>	Ω · cm
Specific Gravity	1.5–1.7	–
Flame Retardant	HB	UL94

Cured for 24h @ RT

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## Preliminary Instructions

Before using the potting material, make sure the potting surface is clean and free from oil and dust. Due to the higher proportion of component A, long-term storage can lead to stratification. Therefore, it's essential to thoroughly mix it before use to maintain optimal product performance.

## Processing Instructions

1. Mix component B to A according to specified ratio. Stir evenly while pouring the component and to ensure uniformity pay attention to scraping the wall until same color.
2. The product should be used within 1 hour from mixing.
3. Automatic mixer and filling machine can be used.

## Precautions

1. For optimal results, ensure that component A is thoroughly mixed before use to prevent stratification during long-term storage. Additionally, apply the glue in a well-ventilated environment.
2. It is recommended to fully utilize the mixed component at one time. Any remaining glue and curing agent should be properly sealed and stored.
3. Generally, the potting thickness is less than 20mm. For deep potting, please contact us for technical support

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 10-30 °C and 50% RH. At proper storage conditions, Part A and Part B has a shelf life of 6 months.