

### Product Identification

LR471 series silicon gel is composed of two components, A and B, which can be cured into soft transparent elastomer at room temperature according to 1:1 ratio, and can be used for a long time in the temperature range of -50 °C~260 °C. Organic silicon material is a durable dielectric insulation material that can withstand environmental pollution, stress and vibration, as well as degradation from ozone and ultraviolet radiation.

### Product application

1. Insulation encapsulation of LED backlight board power module
2. Transformer insulation and sealing
3. Insulation encapsulation of circuit board

### Specifications

Product name	LR-471	LR-472
<i>Sinnosil</i> <sup>®</sup> LR471		
Appearance	Colorless transparent	Colorless transparent
Mixed viscosity (25 °C mpa. s)	500±50	20000±2000
Hardness (Shore A):	0 (Clear Gel)	0 (Clear Gel)
Elongation rate (%)	200	100
Curing conditions	60 °C/1h or room temperature/12h	
A: B Mixing ratio (weight ratio)	1:1	1:1
Conventional packaging	Component A 20kg/barrel, Component B 20kg/barrel	

### Application guidelines

1. Clean electronic components that need to be sealed with acetone or solvent type products to remove impurities.
2. Mix A/B evenly in a 1:1 (weight ratio) ratio, and remove any bubbles using a vacuum machine.
3. Slowly pour the mixed silicone into the electronic components to be sealed.
4. The silicone gel shall not contact the compound containing water, N, S, P, Sn and other elements, or it will cause non vulcanization or incomplete vulcanization.

### Packaging & Storage

1. Packaging: 10kg, 20KG in plastic drums or packaged according to customer requirements.
2. This product is non hazardous. During transportation, attention should be paid to rain and sun exposure
3. When storing, attention should be paid to cleanliness to avoid dust mixing and contact with acids and alkalis.
4. Storage period: One year. If it exceeds the storage period and is analyzed to be qualified, it can still be used.

## Company Information

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The information provided in this Product Bulletin is believed to be accurate and reflective of the product's typical characteristics and potential applications. However, any usage suggestions provided are solely for reference and should not be construed as authorization to violate any domestic or international patents. It is the responsibility of user to conduct comprehensive testing under actual application conditions to verify the product's performance, compatibility, safety, and handling requirements.