

Product introduction

LR45 is a two-component addition-cured liquid silicone rubber, which can be cured at room temperature or by heating.

Application scope

Pad printing adhesive head

Product Features

Environmentally friendly, non-toxic, solvent resistant, and high-temperature resistant
Fine gum, good resilience, multiple transfer printing cycles, no impurities, no particles
Low viscosity, easy to remove bubbles, and clear transfer printing patterns

Technical specifications

Product name	LR-45-5	LR-45-30	
<i>Sinnosil[®]</i> LR45			
Appearance	A: White or customer specified color viscous liquid B: Iron red or customer specified color liquid		
Hardness (Shore A)	10 ± 2	30 ± 2	
Viscosity (mpa.s) 25°C	A component	12000 ± 2000	20000 ± 5000
	B component	1000 ± 200	1000 ± 200
	AB mixture	80000 ± 2000	10000 ± 2000
Proportion (g/cm ³)	1.08 ± 0.02	1.08 ± 0.02	
Elongation (%)	≥ 450	≥ 450	
Tensile strength (MPa)	≥ 5.0	≥ 5.0	
Pre operation time (min) 25°C	30 minutes, adjustable according to customer usage conditions		
Complete curing time	Room temperature (25 °C) for 6-8 hours; Heating (40 °C) for 2 hours; Customized according to customer requirements		

Matters needing attention

1. The tools for taking A and B agents should be distinguished or wiped clean before use to avoid local clumping caused by mixing of the two and preventing normal use.
2. When using, avoid contact between the rubber material and compounds containing elements such as N, S, P, and Sn, otherwise it may cause non vulcanization or incomplete vulcanization.
3. Be careful when using this product, please pay attention to safety precautions before and during use.

Application guidelines

1. Usage ratio: A: B=10:1 (weight ratio)
2. Take agent A, add a certain amount of agent B, mix evenly, remove any bubbles, and pour it into the mold.
3. Curing method: Room temperature (25 °C) for 6-8 hours; Heating (40 °C) for 2 hours

Packaging & Storage

A component 20KG/barrel

B agent 2KG/barrel

Sealed storage in a cool, dry, and well ventilated place.

The ambient temperature is below 37 °C. 12 months.

(Product Effect Display)



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.