Addition-cured silicone rubber

Sinnosil® LR42 series

Product introduction

LR42 additive mold silicone is a two-component, semi transparent or transparent flowing liquid, both A and B are flowing liquids. This product has superior vulcanization performance, is non-toxic, and can be cured at room temperature or by heating. Widely used in chocolate molds, candy molds, cake molds, food molds, construction mold making, gypsum product mold making, cement product mold making, resin handicraft mold making, etc; It is also suitable for applications such as injection molded rubber products.

Features and benefits

Harmless to human body, can be applied in the food or medical industry, safe and environmentally friendly.

High tensile and tear strength, low shrinkage rate.

Easy to operate (mixing ratio 1:1 or 10:1)

It can be cured at room temperature or by heating.

Technical Specifications

Product name *Sinnosil*® LR42	LR-42-10	LR-42-15	LR-42-20	LR-42-30	LR-42-40
Appearance	Translucent gel like fluid (user can specify color)				
Viscosity (Mpa. s 25 ℃)	8000±2000	8000±2000	8000±2000	12000±2000	15000±2000
Specific gravity (g/cm3)	1.08±0.02	1.08±0.2	1.08±0.2	1.08±0.02	1.08±0.02
Hardness Shore A	10±2	15±2	20±2	30±2	40±2
Tensile strength (MPa)	≥3.5	≥3.5	≥3.5	≥3.8	≥3.8
Elongation rate (%)	≥420	≥420	≥400	≥400	≥350

Matters needing attention

This silicone is a platinum system cured silicone. Please pay attention to the following points when using it:

1. The tools for taking A and B agents should be distinguished or wiped clean before use to avoid local clumping caused by the mixing of the two and prevent normal use.

2. At 25 ℃, the safe storage period after thorough mixing of A/B is 1 hour, and the higher the temperature, the shorter the storage time.

3. 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.

4. The optimal usage ratio for product A/B is 1:1, as a ratio that is too large or too small can affect the final performance of the product.

Application guidelines

Mix components A and B in a 1:1 ratio by weight, and after vacuum defoaming, they can be poured. Room temperature (28 degrees) for 30 minutes of operation time, 2-3 hours for complete curing; Heat up to 60-120 degrees Celsius and cure for 20-30 minutes.

Packaging & Storage

Packaged in 20L plastic drums or 25L coated iron drums (200kg/drum), moisture-proof, sun resistant, and resistant to acid and alkali impurities, with a storage period of three years, transported as non hazardous materials.

(Product Effect Display)

Company Information

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