

Silicone Rubber Adhesive

◆ Product Description

Silicone rubber adhesive is a one-component room temperature vulcanizing (RTV) silicone rubber. It triggers cross-linking curing reaction only by virtue of trace moisture in the air. No pre-mixing, extra heating or special curing equipment is required. After curing, it forms a flexible and dense elastomer, integrating multiple functions such as bonding, fixing, sealing and insulation. It can provide stable and reliable protection for various substrates under harsh operating conditions.



- Multi-Effect Integrated Protection Performance
- Wide Temperature Range Stable Elasticity Performance
- Broad-Spectrum Substrate Compatible Bonding Performance
- One-Component Room Temperature Convenient Curing Performance
- Long-Term Stable Anti-Aging Performance

◆ Product Structure

- Silicone rubber adhesive is a de-methoxylated one-component room temperature vulcanizing silicone adhesive in black paste form. It is sealed packaged to keep out moisture. Based on dihydroxy polydimethylsiloxane as the basic polymer backbone, combined with cross-linking agents, reinforcing fillers and functional additives, its linear molecular chains crosslink to form a flexible three-dimensional network elastomer, achieving firm bonding and protection for various substrates.

◆ Typical Applications

- Silicone rubber adhesive is widely applied in electrical and electronic industry, LED lighting, household appliances, automotive electronics and industrial manufacturing. It serves for fixation and protection of electronic components, waterproof sealing of lamps, insulation of household appliance parts, weather-resistant bonding of automotive components and structural sealing of multiple industrial materials.

◆ Typical Product Data and Physical Properties

Material: Silicone Rubber Series (Methanol-Release Type)

Color And Form: Black Paste

Curing Type: Room Temperature Moisture Cure

Temperature Resistance: -50°C To 200°C

Tensile Strength: 10-20kgf/cm²

Elongation At Break: 250-350%

Hardness: 30-40 Shore A

Specific Gravity (25°C): 1.15-1.25

Tack Free Time: 10-30 Min

Shelf Life: 6 Months At Room Temperature

Availability:

Item#	Model	Capacity	Packaging	Weight
1.3.22.00.0009	YW-8512B-2T	100ML/Tube	Aluminum Tube	0.125kg
1.3.22.00.0010	YW-8512B-2T	300ML/Tube	Plastic Soft Tube	0.375kg
1.3.22.00.0011	YW-8512B-2T	2600ML/Tube	Plastic Hard Tube	2.99kg
1.3.22.00.0012	YW-8512B-2T	25KG/Drum	Plastic Drum	25kg

◆ Technical and Application Assistance

HORB provides a technical hotline to answer your technical and application related questions.

◆ Note:

This information is believed to be accurate. It is intended for professional end users having the skills to evaluate and use the data properly. HORB data is for reference purposes only.

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