

SH-113 Polysiloxane Resin

Product SH-113 is a kind of polysiloxane resin containing methyl and methoxy functional groups. It

Property can achieve curing at room temperature moisture, the curing speed depends on the curing agent and environmental temperature, humidity. It has high hardness and good heat resistance, while also possessing certain flexibility. The coating film after adding curing agent has excellent corrosion resistance, UV resistance, weather resistance, temperature resistance, acid resistance and other properties.

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| ◆ Low viscosity liquid, polysiloxane resin | ◆ Appropriate flexibility |
| ◆ High temperature resistance | ◆ High inorganic substance content |
| ◆ Thermor-setting | ◆ Weather resistance |
| ◆ Few smoke when initially heating | ◆ Room temperature curable |
| ◆ Acid resistance | |

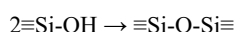
Application

- ✓ Anti corrosion and protective coatings
- ✓ High temperature resistant coating
- ✓ Building exterior wall coating
- ✓ High performance fireproof coating
- ✓ Coating agent
- ✓ As a resin modifier, it introduce organic silicone components into other resins

Product	Color:	Colorless to pale yellow
Index	Appearance:	Clear, low viscosity liquid
	Active Ingredients:	>98.00%
	Specific Gravity:	1.05-1.15
	Viscosity:	10-50cp
	Flash Point:	>50°C

Method of SH-113 is crosslinked and cured through silanol polymerization.

application The basic principle is as follows:



Therefore, heat-resistant coatings or coating agents based on SH-113 can be formulated as either one-component or two-component systems.

Once a curing agent is added to the one-component system, it becomes highly sensitive to moisture. Attention must be paid to the storage stability and pot life of the product during R&D and production.

Two-component systems provide a significantly longer shelf life.

Component A: SH-113 resin and other required components.

Component B: Contains curing agent and other solvents (if needed).

The recommended curing agent is SH-2013C or SH-2011C, with the mixing ratio of curing agent: SH-113 : SH-2013C = 11: 1; SH-113 : SH-2011C = 10:1.

Suitable curing agent include acids and bases, tin, zinc, titanium, and zirconium compounds, etc. The recommended curing agent is alkyl titanate.

Suitable solvents include alcohol ether solvents, etc.

Potential applications: It can be introduced into organic resins to improve the temperature resistance of products.

Storage	Store in a dry, well-ventilated place at temperatures between -5°C to 40°C, protected from direct sunlight. Keep tightly sealed. Shelf life: 12 months (unopened).
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Packaging	25kg/drum; 200kg/drum
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Discharge	Do not discharge it into the wastewater system, put it in a specific container for professional disposal.
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Emergency treatment	1. In case of leakage or spillage, collect it in a container and clean the ground pollutants with a cloth. 2.If this product accidentally come into contact with the eyes, rinse immediately with plenty of water for at least 15 minutes. If discomfort persists, seek medical attention immediately. 3.If this product comes into contact with the skin, wash with water and soap. Seek medical attention immediately if discomfort occurs. 4.If you accidentally inhale spray or gas in the oven, immediately transfer to a fresh air place, and then seek medical advice without delay.
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