High Temperature Self-drying Silicone Resin

LR-H161

Description

This resin is synthesized through polymerization of methyl monomer, phenyl monomer, and specialized silane monomers using a specific process. It features high-temperature resistance and excellent self-drying properties.

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Appearance	Colorless to light yellow transparent liquid, opalescence is permitted
Solid content %	50± 1
Viscosity (4# cup, 25°C, S)	15-40
Drying time, ≤	Surface dry 2h, 180°C 1h
Heat resistance (varnish: floating aluminium powder = 4:1, 500±10°C, 3h)	No peeling, no cracking, no blistering

Typical Technical Properties

Application

When combined with various pigments and functional materials, it can be applied in exhaust pipes, electrostatic precipitators, furnaces, and similar high-temperature environments.

Can be blended with alkyd, acrylic, polyester, epoxy, and other organic resins to formulate temperature-resistant coatings for different applications, enhancing the performance of the base resin.

Package &Storage:

In 200kg drum.

Keep in cool, dry place. Avoid acid and alkali contact. Avoid direct sunlight. Storied and transported as dangerous goods. The shelf life is one year(can still be used if the product is qualified after the expiration date).

Use Reference:

1. The diluent must be free from water, acids, alkalis, amines, and other reactive substances, as they can affect adhesion, drying, and overall coating properties.

2. This product contains flammable solvents like toluene, so proper ventilation should be ensured during use. Take precautions against fire hazards, static electricity, and ignition sources. Operators should adhere to appropriate safety measures.
3. Compatible diluents include ketones, esters, toluene, xylene, etc.