### **Technical Data Sheet**



# 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.

Items	Index
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	No peeling, no cracking, no blistering
aluminium powder = 4:1, 500±10°C, 3h)	

**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.

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The offered information of this docs is believed to be accurate. However, because conditions and methods of use of our products are beyond our control, this information should not be used in substitution for customer's tests to ensure that our products are fully satisfactory for end use. Suggestions of use shall not be taken as inducements to infringe any patent. Please confirm with us prior to any problems.

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- 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.