Technical Data Sheet



Self-drying Silicone Resin LR-S161

Description

This resin is synthesized through the polymerization of methyl monomer, phenyl monomer, and specialized silane monomers using a unique process. It possesses excellent heat resistance, high hardness, corrosion resistance, and a glossy finish. The product self-dries at room temperature or lower temperatures, making it energy-efficient and easy to apply.

Typical Technical Properties:

Items	Index
Appearance	Colorless to light yellow transparent liquid,
	opalescence is permitted
Solid content %	50± 1
Viscosity (4# cup, 25°C, S)	30-150
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

Application

Primarily suitable for large-scale equipment and heat-resistant materials that cannot undergo baking processes.

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 6 months(can still be used if the product is qualified after the expiration date).

Use Reference:

1. The diluent should be free from water, acids, alkalis, amines, and other reactive substances, as these may impact adhesion, drying, and paint film properties.

2. This product contains toluene and other flammable solvents, so proper ventilation should be ensured during use. Take precautions for fire safety, anti-static measures, and eliminating ignition sources. Operators should follow labor safety protocols.

3. This product can be diluted with ketones, esters, toluene, xylene, etc.

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1/1

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