



Silfluo LR-H161

High Temperature Self-drying Silicone Resin

Description

Silfluo LR-H161 is an ambient-curing silicone resin synthesized through the copolymerization of methyl, phenyl, and silane monomers via a specific processing method. It delivers high-temperature resistance while featuring ambient-curing (air-drying) capabilities.

Typical Technical Properties

Silfluo Code:	Silfluo LR-H161
Appearance	Colorless to light yellow transparent liquid, opalescence is permitted
Solid content %	50± 1
Viscosity (Flow Cup No. 4, 25°C, S)	15-40
Drying time, ≤	Surface dry in ≤ 2 hours at ambient temperature; fully cured in 1 hour at 180°C (if forced thermal curing is applied)
Heat resistance (varnish: floating aluminium powder = 4:1, 500±10°C, 3h)	No peeling, no cracking, no blistering

Application

1. Heat Industrial Infrastructure: When combined with appropriate pigments and functional fillers, it serves as the binder for high-temperature coatings applied to exhaust pipes, electrostatic precipitators, industrial furnaces, and similar thermal environments.
2. Organic Resin Upgrading: Widely utilized as a cold-blend modifier with alkyd, acrylic, polyester, epoxy, and other organic resins to fundamentally enhance the temperature resistance and overall performance of the base resin systems.

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.

Package & Storage:

In 200kg drum.

Technical Data Sheet



www.silfluosilicone.com

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

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