Technical Data Sheet

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Organic Silicone Resin LR-131

Description:

This product is a low-molecular-weight, solvent-free organosilicone resin synthesized through the mixed hydrolysis of alkoxy silanes with varying functionalities. It can cure at room temperature, offering high activity, excellent hardness, non-adhesiveness in heated conditions, minimal gloss loss, and low smoke emission when exposed to heat.

Typical Technical Properties:

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Appearance	Colorless to light yellow transparent liquid, opalescent light is allowed
Viscosity (25 ˚C) cp	20-200
Flash point (˚C)	≥ 65
Alkoxy content, wt%	~30%

Note: These data are for reference only and should not be used as preparation specifications.

Application:

It is mainly used in the formulation of high-solid-content heat-resistant coatings for applications such as automobiles, motorcycles, and aircraft components (e.g., exhaust systems, mufflers, engine parts). It is also suitable for household appliances like ovens, stoves, and grills. Additionally, it can be utilized as a hardening agent for plated crystal coatings in automotive protection.

Package &Storage:

In 200kg drum.

Keep in cool, dry place. Avoid acid and alkali contact. Avoid direct sunlight. This product belongs to non-dangerous goods. The shelf life is half a year(can still be used if the product is qualified after t he expiration date).

Use Reference:

1. The diluent used in this product must be free of water, acids, alkalis, amines, and other reactive compounds, as these may impact adhesion, drying, and the overall properties of the paint film.
2. During use, methanol and other flammable or volatile solvents may be released. Adequate ventilation should be ensured in the work area, and precautions should be taken for fire prevention, anti-static protection, and strict fire source control. Operators should adhere to proper labor safety measures.
3. This product can be diluted with ketones, esters, toluene, xylene, and similar solvents.