Technical Data Sheet

www.silfluosilicone.com

Silfluo LR-161

High Activity Organic Silicone Resin

Description:

Silfluo LR-161 is an organic silicone resin.

It provides dielectric strength, low dielectric loss, high- and low-temperature resistance, weatherability, water repellency, and moisture resistance. After curing, it forms a tack-free film with adhesion to selected substrates.

Typical Technical Properties:

Silfluo Code:	LR-161
Appearance	Colorless to light yellow transparent liquid, opalescent light is allowed
Solid content %	50±1
Viscosity (Flow Cup No. 4, 25°C, S)	15-35
Curing Profile:	Surface dry in ≤ 2 hours at ambient temperature; hard dry in 24 hours at ambient temperature; fully cured in 1 hour at 180°C

Application:

1. Electrical insulation

Used for Class H motor winding impregnating varnishes, inter-turn bonding impregnating varnishes, fiberglass-covered wire insulation coatings, and Class H electrical insulation coatings.

2. Protective and architectural coatings

Used in heat-resistant coatings, weather-resistant coatings, architectural finishes, and protective paints for large bridges and highway guardrails.

Use Reference

1. Diluent purity: Diluents should be free of water, acids, alkalis, amines, and other reactive compounds. Contamination may affect adhesion, drying profile, and film properties.

2. Handling and ventilation: This product contains toluene and other flammable solvents.

Use explosion-proof ventilation during processing.

Control fire sources, static electricity, and ignition sources.

Operators should use personal protective equipment according to the SDS.

3. Dilution: The resin can be diluted with ketones, esters, toluene, and xylene.

Package &Storage:

In 200kg drum.

Keep in a cool, dry, and well-ventilated environment, avoiding direct sunlight, acids, and alkalis. The shelf life is 6 months from the date of manufacture when stored in original unopened containers (material can still be utilized if it passes quality inspection after the expiration date). Classified and transported as a hazardous substance (flammable liquid).