



Silfluo LR-160

Organic Silicone Resin

Description

Silfluo LR-160 is an organic silicone resin.

It provides heat resistance, moisture resistance, and electrical insulation properties.

It has higher temperature resistance than LR-162 resin.

Typical Technical Properties:

Silfluo Code:	LR-160
Appearance	Colorless to Light yellow transparent liquid, opalescence is permitted
Solid content %	50±1
Viscosity (Flow Cup No. 4, 25°C, S)	20-50

Application

1. Electrical Insulation: Utilized for Class H motors, transformer coils, and Class H fiberglass-covered wire impregnation.
2. Protective & Thermal Coatings: Applied for transistor encapsulation and the formulation of high-temperature-resistant coatings.

Use Reference

1. Diluent Purity: Any diluents introduced must be free of water, acids, alkalis, amines, and other reactive compounds. Contamination will negatively impact adhesion, drying profiles, and overall film properties.
2. Safe Handling & Ventilation: This product contains toluene and other highly flammable solvents. Proper explosion-proof ventilation must be maintained during processing. Strict precautions against fire hazards, static electricity accumulation, and ignition sources are mandatory. Operators must adhere to occupational safety protocols and utilize appropriate personal protective equipment (PPE).
3. Dilution Guidelines: The resin can be diluted using 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).