SiO-2130H Epoxy-Modified Silicone Resin

Resin Characteristics and Uses:

Epoxy-modified silicone resin SiO-2130H possesses excellent high and low-temperature resistance, hydrophobic and moisture-resistant properties, and good electrical insulation and arc corona resistance. It also features exceptional weatherability, chemical stability, and corrosion resistance.
This product is widely used as a high-temperature anti-corrosion coating (≥500°C). It can fully cure at room temperature as a two-component system, with improved performance when baked. It can also be used as an H-class insulation coating.

Specifications:

Appearance: Light yellow to colorless transparent liquid, may have a milky sheen, free from mechanical impurities.
Solid Content: 50±1%
Viscosity: 20-60 seconds (Tu-4 cup)
Epoxy Value: 0.02-0.07

Usage:

A. Two-component Room Temperature Cure:
Use with 650 polyamide or T-31. The amount of 650 added should be 10-15% of the total resin weight; the amount of T-31 should be about 5-7% of the total resin weight.

B. High-Temperature Baking Cure:
Mix with methylated amino resin 5747, adding 10%. Heat to 180°C for one hour for complete curing.

Precautions:

1， The diluent solvent used in this product must be free of water, sulfur compounds, pyridine, and other impurities to avoid affecting the adhesion, drying, and other properties of the resin film.
2， During processing, a large amount of flammable, explosive, and toxic solvents like xylene will volatilize. Ensure proper ventilation, fire safety, and strict elimination of fire sources. Operators should adhere to safety protocols.
3， Equipment and tools used in the processing of this product must be clean, and contamination by dust, foreign matter, or water must be strictly prevented.
4， Acids, bases, organic acid salts, and amines can accelerate curing and affect heat

resistance and electrical properties. Therefore, this product must be stored away from these substances.

Storage:

The storage period is initially set at six months. The product should be stored in a ventilated, cool, and dry place, protected from direct sunlight, and isolated from acids, bases, and fire sources.

Packaging:

The product is available in 200 kg large white iron drums and 20 kg small white iron drums.