



Epoxy Modified Silicone Resin LR-M123

Description:

The product has excellent resistance to both high and low temperatures, along with hydrophobicity and moisture resistance. It also possesses strong electrical insulation properties, as well as resistance to arc and corona discharge, and outstanding weather durability. Additionally, it demonstrates good chemical stability and corrosion resistance.

Compared to LR-M123-6, LR-M123-4 offers superior corrosion resistance but has slightly lower high-temperature resistance.

Typical Technical Properties:

Type	LR-M123 series epoxy modified silicone resin	
	M123-4	M123-6
Appearance	Colorless to light yellow transparent liquid, opalescence is permitted	
Solid content %	50±1	
Viscosity (4# cup, 25°C, S)	30-80	20-60
Epoxy value	0.06-0.16	0.02-0.07
Drying Time ≤	Surface drying 2h, drying by heating 180°C 1h	
Heat resistance (Varnish: float type aluminum powder =4:1, 400±10°C, 3h)	No peeling, no cracking, no blistering	

Application:

This product is widely applicable as a high-temperature-resistant, anti-corrosive, electrically insulating, and weather-resistant coating. It can be fully cured at room temperature using a two-component system.

Package &Storage:

In 200kg drum.

Keep in cool, dry place. Avoid acid and alkali contact. Avoid direct sunlight. Stored and transported as dangerous goods .

Use reference:

1. Cures at room temperature with a two-component system, combined with an isocyanate curing agent such as Bayer 3390, N75, etc., at an addition rate of 10–20% of the total resin.

Technical Data Sheet



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2. For high-temperature curing, heat to 180°C and maintain for one hour. It can also be used with amino resin to reduce curing time.
3. The diluent used in this product must be free of water, acids, alkalis, amines, and similar compounds, as these may negatively impact adhesion, drying, and other film properties.
4. This product contains xylene and other flammable, volatile solvents. Ensure proper ventilation during processing. Take precautions against fire, static electricity, and ignition sources. Operators should prioritize safety measures and wear appropriate protective equipment.