



Organic Silicone Resin LR-333/334

Description

This product is a solid methyl silicone resin with a high silica content. It offers excellent heat resistance and produces minimal smoke when decomposed at high temperatures. Additionally, it has high reactivity, strong adhesion, superior hardness, and outstanding scratch resistance.

LR-334 is a liquid silicone resin, which is a diluted version of LR-333, using an environmentally friendly solvent.

Typical Technical Properties:

Items	Index	Test method
Appearance	Colorless to light yellow transparent solid	GB1721
Volatile matter %	≤ 3 %	
Softening point (°C)	60-85	GB/T12007.6-1989
Solubility in toluene (1:1)	Clear and transparent	

Applications

1. Used as a bonding agent in laminate insulation applications.
2. Used in resistive and insulating coatings, providing excellent heat resistance while maintaining stability (no smoke, no cracking) and strong scratch resistance.

Package &Storage:

In 50kg plastic inner lining paper drums, sealed stored in a cool and dry environment under 25°C. The shelf life is one year(can still be used if the product is qualified after the expiration date).

Use Reference:

1. For solvent-based coatings or binders, toluene or xylene is recommended as the solvent to fully dissolve the resin for paint preparation. The dissolution process can be moderately heated ($\leq 60^{\circ}\text{C}$). Before use, filter through a 200-mesh press cloth and check that the filtrate is clear.
2. When using powder coatings to formulate resistive insulating coatings, ensure that the resin and pigment filler are thoroughly mixed.