

Methyl MQ Silicone Resin

SK-MR-706

Product Description:

● This product is a copolymer formed by the hydrolysis and condensation of monofunctional siloxane units (M) and tetrafunctional siloxane units (Q). It features a three-dimensional network structure of polysilicic acid terminated with trimethylsilyl groups. The resin is dissolved in hydroxyl-terminated silicone oil at approximately 50% by weight, presenting as a viscous liquid.

Technical Specifications:

Parameter	Typical Value	Test Method/Instrument
Appearance	Colorless to light yellow transparent liquid	Visual inspection
Viscosity (mPa.s/25℃)	8000~12000	GB/T 10247-2008
Hydroxyl content (wt.%)	≤0.5	Infrared spectroscopy
Refractive Index (25℃)	1.405~1.415	GB/T 6488
Resin Solid Content (%)	≥50	Theoretical value
Volatile content (%)	≤ 2.0	Drying method (150℃/3H)

Typical Applications:

● Reinforcement of condensation-cure silicone rubber.

Packaging & Storage:

● Packaged in 200KG iron drums.

● Store at room temperature, in a dry and dark place.

● This product is non-flammable and non-explosive, and should be transported as non-hazardous goods.

● Best used within 12 months from the production date. Re-inspect if expired.

Safety & Environmental:

● Ensure proper protective equipment is worn when handling this product. Refer to the Material Safety Data Sheet (MSDS) for details.

● Dispose of packaging according to local solid waste regulations.

Notes:

- The information provided in this document is based on reliable data from our company. Product specifications and performance may change without prior notice.
- The information is derived from laboratory and practical experience and is for reference only. Since conditions and methods of use are beyond our control, application testing is recommended before use.
- Some performance parameters of the product can be adjusted according to customer requirements. If needed, please contact our technical department engineers.