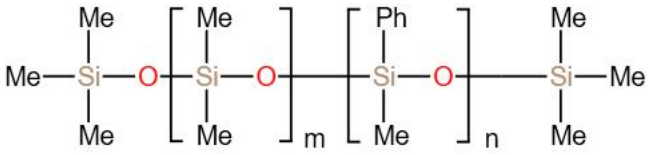
Product Datasheet

Methyl Phenyl Silicone Oil

SK-PMO-5110



Product Description:

●Methyl phenyl silicone oil is an organic silicone linear polymer that incorporates phenyl functional groups into the dimethyl polysiloxane molecular chain. Its unique molecular structure provides high-temperature resistance, radiation resistance, and lubricity. The product also offers excellent thermal conductivity and chemical stability, making it widely used in high-temperature lubrication, thermal conductivity for electronic devices, and self-lubricating silicone rubber. It is suitable for demanding conditions in both open systems (-40°C to 230°C) and closed systems (-40°C to 315°C).

Technical Specifications:

Parameter	Typical Value	Test Method/Instrument
Appearance	Colorless to light yellow transparent liquid	Visual inspection
Viscosity (mPa.s/25℃)	900~1100	GB/T 10247-2008
Flash Point (℃)	>300	ISO 2719
Refractive Index (25℃)	1.50~1.52	GB/T 6488
Volatile content (%)	≤ 2.0	Drying at 150℃/3H

Typical Applications:

●Lubricant: Provides long-lasting lubrication for industrial bearings, gears, and precision instruments under high-temperature conditions, reducing wear.

●Thermal Conductivity Medium: Used as a thermal conductivity medium for motor windings, transformers, and industrial furnaces.

●Silicone Rubber Additive: Acts as an oil-releasing agent, enhancing the self-lubricating properties and sealing durability of silicone rubber.

Packaging & Storage:

● Packaged in 200KG iron drums.

●Store at room temperature, dry, and away from light.

●Non-flammable and non-explosive, classified as non-hazardous for transport.

● 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.**