

Electronic Grade Vinyl-Terminated Silicone Oil

SK-SOV-70L

Product Description:

● A linear organosilicon polymer featuring dimethylsiloxane backbone with vinyl end groups. Through optimized molecular structure and purification processes, this silicone oil offers extremely low volatility, specifically designed for low-VOC applications. It combines excellent heat resistance, chemical stability, and processing performance, making it ideal for high-value applications including precision electronics and secondary-curing-free liquid silicone rubber.

Technical Specifications:

Test Item	Typical Data	Test Standard
Appearance	Colorless transparent liquid	Visual inspection
Viscosity (mPa.s/25℃)	60~80	GB/T 10247-2008
Vinyl Content (wt%)	1.42~1.50	Sodium thiosulfate titration
Volatile Content (%)	≤0.2	150°C/3H, atmospheric drying
D ₃ ~D ₁₀ (PPM)	≤300	GC-MS

Typical Applications:

- Encapsulation Materials: Optical lenses, precision electronic components requiring high-temperature oil-free performance.
- Thermal Interface Materials: Ultra-low molecular migration thermal gels or thermal pad carriers.
- Silicone Products: Medical and infant care products requiring secondary-curing-free properties.

Packaging & Storage:

- 200KG/drum packaging.
- Store at room temperature in dry conditions.
- Classified as non-hazardous for transportation.
- Recommended shelf life: 12 months (retesting required after expiration).

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.