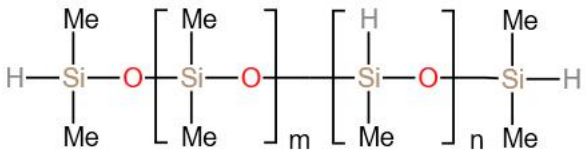
sking
天启新材料

Product Datasheet

Terminal Hydrogen-Containing Silicone Oil

SK-SOH-100ES



Product Description:

●This product is a highly reactive linear organosilicon polymer with hydrogen-terminated ends. Its backbone consists of alternating or block structures of dimethylsiloxane and methylhydrogensiloxane. The terminal Si-H groups provide additional crosslinking sites, significantly enhancing material hardness and tear resistance, making it ideal for high-performance addition-cure liquid silicone rubber.

Technical Specifications：

Parameter	Typical Value	Test Method/Instrument
Appearance	Colorless transparent liquid	Visual inspection
Viscosity (mPa.s/25℃)	30~500	GB/T 10247-2008
Hydroxyl content (wt.%)	0.97~1.03	HG/T 4804-2015
Volatile content (%)	≤ 1.0	150℃/1H

Typical Applications:

●Crosslinking agent: Reinforces and hardens addition-cure silicone rubber.

●Silicone oil modification: Intermediate for synthesizing modified silicone oils.

●Resin modification: Commonly used for addition modification of organic polymers.

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.

● 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.