sking
天启新材料

Product Datasheet

Terminal Hydrogen Silicone Oil
SK-SOH-005

Product Description:

●A highly reactive linear organosilicon polymer with hydrogen-terminated ends and a backbone composed of dimethylsiloxane units. The dual-terminal Si-H groups exhibit exceptional reactivity, making it an essential material for synthesizing polyether-modified silicone oils and alkyl-modified silicone oils. Widely used in addition-cure liquid silicone rubber, textile treatment, and intermediate modification.

Technical Specifications：

Parameter	Typical Value	Test Method/Instrument
Appearance	Colorless transparent liquid	Visual inspection
Viscosity (mPa.s/25℃)	50~70	GB/T 10247-2008
Hydroxyl content (wt.%)	0.04~0.06	HG/T 4804-2015
Volatile content (%)	≤ 1.0	150℃/1H

Typical Applications:

●Silicone oil modification: Key intermediate for polyether- and alkyl-modified silicone oils.

●Crosslinker: Enhances chain extension in addition-cure silicone rubber, improving elongation and toughness.

●Resin modification: 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.