sking
天启新材料

Product Datasheet

Terminal Hydrogen Silicone Oil
SK-SOH-010

Product Description:

● highly reactive linear organosilicon polymer featuring hydrogen-terminated ends with a dimethylsiloxane backbone. The dual-terminal Si-H groups demonstrate superior reactivity, serving as a key intermediate for synthesizing polyether-modified and alkyl-modified silicone oils. Widely applied in addition-cure liquid silicone rubber, textile treatment, and polymer modification.

Technical Specifications:

Parameter	Typical Value	Test Method/Instrument
Appearance	Colorless transparent liquid	Visual inspection
Viscosity (mPa.s/25℃)	15~30	GB/T 10247-2008
Hydroxyl content (wt.%)	0.09~0.11	HG/T 4804-2015
Volatile content (%)	≤ 3	150℃/1H

Typical Applications:

● Silicone modification: Critical intermediate for polyether/alkyl silicone oil production

● Crosslinking agent: Enhances chain extension in silicone rubber, improving elasticity and toughness

● Polymer modification: Effective for addition-cure modification of organic resins

Packaging & Storage:

● Packaged in 200KG iron drums.

● Store in dry conditions at room temperature

● Non-hazardous material (safe 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.