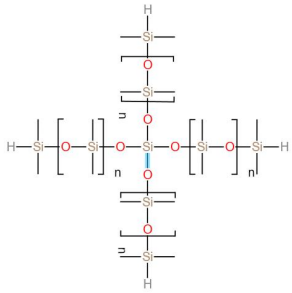
sking
天启新材料

Product Datasheet

Branched Hydrogen-Containing Silicone Oil

SK-BRHO-7008



Product Description:

●This product is an organosilicon polymer with a unique branched structure. Its molecular design features a tetrafunctional Q core, with four directions extending into dimethylsiloxane D segments, terminated by vinyl groups. This branched vinyl silicone oil exhibits high reactivity and thermal stability, making it widely used in liquid silicone rubber and silicone gels.

Specifications:

Test Item	Typical Data	Test Standard/Instrument
Appearance	Colorless to slightly yellow transparent liquid	Visual inspection
Viscosity (mPa.s/25℃)	20~100	GB/T 10247-2008
Hydrogen Content (wt%)	0.07~0.10	HG/T 4804-2015
Density (g/cm^3)	0.95~0.98	GB/T 4472
Volatile Content (wt%)	≤3	150℃/3H

Typical Applications:

●Liquid Silicone Rubber: The branched structure provides fast curing speed and mechanical strength.

●Optical Clear Resin (OCR): Hydrogen groups and vinyl silicone resins synergistically cure, used for display bonding.

Packaging & Storage:

●SK-BRHO-7008 is packaged in 200KG iron drums.

●Store at room temperature, in a dry and dark place.

●This product is non-flammable and non-explosive, and should be transported as non-hazardous goods.

●Best used within 12 months from the production date. If expired, re-inspect and use only if qualified.

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.