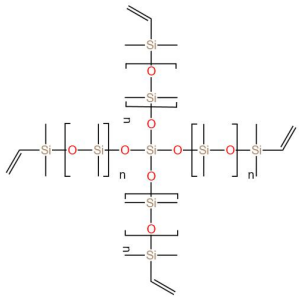
sking
天启新材料

Product Datasheet

Branched Vinyl Silicone Oil
SK-BRVO-350



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 silicone gels, thermal conductive potting compounds, and silicone release agents.

Specifications:

Test Item	Typical Data	Test Standard/Instrument
Appearance	Colorless to slightly yellow transparent liquid	Visual inspection
Viscosity (mPa.s/25℃)	300~400	GB/T 10247-2008
Refractive Index (25℃)	1.40~1.41	GB/T 6488
Density (g/cm^3)	0.96~0.98	GB/T 4472
Volatile Content (wt%)	≤0.5	150℃/3H

Typical Applications:

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

●Thermal Conductive Potting Compounds: The branched structure offers low rheological resistance, suitable for filling micro-pores or complex molds.

●Silicone Release Agents: The branched structure provides low release force and high residual adhesion rates.

Packaging & Storage:

●SK-BRVO-350 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.