Hydrogen-Containing Hybrid Silicone Resin

SK-HR-7050

Product Description:

● SK-HR-7050 is a co-hydrolyzed product of mono-, di-, and tetra-functional siloxane units. Its unique organic-inorganic hybrid structure with MQ framework incorporated into linear D chains provides superior reinforcement, faster curing, and better compression set resistance compared to conventional hydrogen silicone oils. Widely used in addition-cure silicone rubber applications.

Technical Specifications：

Test Item	Typical Data	Test standard/Instrument
Appearance	Colorless transparent liquid	Visual inspection
Viscosity (mPa·s @25°C)	80~150	NDJ-8S
Active H Content (wt.%)	0.45~0.55	HG/T 4804-2015
Refractive Index (@25°C)	1.405±0.005	GB/T 6488
Volatile content (%)	≤3	120°C/1H, ambient drying

Typical Applications:

● Silicone Rubber Reinforcement: Enhances mechanical properties as reinforcing filler for liquid silicone rubber

● Electronic Potting Compounds: Improves compression set and curing speed as crosslinker for addition-cure potting adhesives

Packaging & Storage:

● Packaging: 200KG/drum.

● Storage: Store at room temperature in a dry, ventilated area. Avoid moisture.

● Transport: Non-hazardous; complies with standard shipping regulations.

● Shelf Life: 12 months from production date. Retest required if expired.

Safety & Environmental Notes:

● Wear appropriate protective gear when handling. Refer to the MSDS for details.

● Dispose of packaging in compliance with local solid waste regulations.

Notes:

- The information contained in this document is based on reliable data we have obtained. The content, product performance improvements, and product specifications may change without prior notice.
- The information provided in this document is based on our laboratory and practical experience and is for reference only. Since the conditions and methods of using this product are beyond our control, it is essential to conduct application tests and evaluations before use.
- Some performance parameters of the product can be adjusted according to customer requirements. If needed, please contact our technical department engineers.