Hydrogen-Containing Hybrid Silicone Resin

SK-HR-7080

Product Description:

● SK-HR-7080 is a co-hydrolyzed product of mono-, di-, and tetra-functional siloxane units. Featuring an innovative organic-inorganic hybrid structure with MQ framework integrated into linear D chains, it delivers superior reinforcement, faster curing, and enhanced compression set resistance compared to conventional hydrogen silicone oils.

Technical Specifications：

Test Item	Typical Data	Test standard/Instrument
Appearance	Colorless transparent liquid	Visual inspection
Viscosity (mPa·s @25°C)	50~100	NDJ-8S
Active H Content (wt.%)	0.75~0.85	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: Significantly improves mechanical properties as reinforcing filler for LSR

● Electronic Encapsulation: Enhances compression set resistance and curing speed in addition-cure potting compounds

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.