Hydrogen-Containing Hybrid Silicone Resin

SK-HR-7095

Product Description:

● This product is a co-hydrolysate formed by the hydrolysis and polycondensation of monofunctional, difunctional, and tetrafunctional siloxane units. By introducing an organic-inorganic hybrid MQ structure into the linear D-chain, it exhibits superior performance in reinforcement, curing speed, and compression set of silicone rubber compared to conventional hydrogen-containing silicone oils. It is widely used in addition-cure silicone rubber and other fields.

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.%)	0.90~1.00	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 the mechanical properties of liquid silicone rubber as a reinforcing filler.

● Electronic Potting Compounds: Improves compression set and curing speed as a crosslinker for 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.