Hydrogen-Containing MQ Silicone Resin

SK-HR-7020

Product Description:

● This product is a co-hydrolysate of tetraalkoxysilane and dimethylalkoxysilane. Its molecular structure incorporates hydrogen groups that can react with vinyl groups. It can be considered as a polysilicic acid resin with a three-dimensional network structure, terminated by dimethylalkoxy groups. It appears as a clear, oily liquid. Compared to ordinary hydrogen-containing silicone oils, this product offers faster curing speed and improved cured material properties.

Technical Specifications：

Test Item	Typical Data	Test standard/Instrument
Appearance	Colorless transparent liquid	Visual inspection
Viscosity (mPa.s/25℃)	10~100	NDJ-8S
Hydrogen content (wt.%)	0.15~0.20	HG/T 4804-2015
M/Q ratio	3~4	/

Typical Applications:

● Crosslinking agent for addition-cure liquid silicone rubber.

● Intermediate for silicone modification.

● Crosslinking agent and adhesion promoter for silicone coatings.

Packaging and Storage:

● Packaged in 200KG drums;

● Store at room temperature in a ventilated, dry, and moisture-proof environment.

● This product is not flammable or explosive and should be transported as non-hazardous goods.

● Best used within 12 months from the production date. Re-inspect if expired.

Safety and Environmental Protection:

● Ensure proper protective equipment is worn when handling this product. Refer to the Material Safety Data Sheet (MSDS) for details.

● Dispose of used packaging according to 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.