sking
天启新材料

Product Datasheet

Methyl MQ Silicone Resin

SK-MR-709S

Product Description:

●This product is a co-hydrolysate of tetraalkoxysilane and trimethylalkoxysilane. It can be considered as a trimethylsilyl-terminated polysilicic acid resin with a three-dimensional network structure, containing partial alkoxy and hydroxyl functional groups. It is dissolved in toluene at approximately 75% by weight, presenting as a clear, liquid solution.

Technical Specifications:

Test Item	Typical Data	Test Standard/Instrument
Appearance	Colorless transparent liquid	Visual inspection
Viscosity (mm^2/s, 25℃)	2~4	Capillary viscometer
M/Q ratio	0.75~0.80	/
Hydroxyl content (wt.%)	2.0~4.0	Infrared spectroscopy
Molecular weight (Mw)	4000±1000	GB/T 31816-2015
Solid content (%)	75±1	Drying method (150℃/3H)

Typical Applications:

● Insulation protective coatings.

●Cohesion strength and peel force adjustment in silicone pressure-sensitive adhesives.

Packaging and Storage:

● Packaged in 200KG drums.

●Store at room temperature in a dry environment.

● This product contains solvents and is flammable. It should be transported as hazardous goods.

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

Safety and Environmental Protection:

● Ensure to wear appropriate protective equipment before using this product. For specific details, please refer to the product material safety data sheet.

● Dispose of used 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.