

Methyl MQ Silicone Resin

SK-MR-708S

Product Description:

● This product is a trimethylsilyl-terminated polysilicic acid resin formed by hydrolysis and condensation of monofunctional and tetrafunctional siloxane units. It is approximately 75% by weight dissolved in toluene. It offers excellent heat resistance, weather resistance, and outstanding electrical insulation properties. Widely used in pressure-sensitive adhesives, sealants, coatings, personal care, and electronic encapsulation.

Technical Specifications:

Test Item	Typical Data	Test Standard/Instrument
Appearance	Colorless transparent liquid	Visual inspection
M/Q ratio	0.65~0.75	/
Hydroxyl content (wt.%)	0.50~1.00	IR spectroscopy comparative method
Viscosity (mm ² /s, 25°C)	2.0~4.0	Pint viscometer (50% solid content)
Solid content (%)	74~76	Dried at 150° C/3H, atmospheric pressure

Typical Applications:

- Silicone PSAs: protective films, high-performance medical tapes, labels, etc.
- Plastic modification: improves scratch and heat resistance of thermoplastics.
- Release & anti-adhesion: forms a low surface tension layer on molds for long-lasting release performance.

Packaging and Storage:

- Packed in 200KG/drum.
- Store in a dry place at room temperature.
- Contains solvent; flammable. Transport in compliance with applicable regulations.
- Best used within 12 months from production date. Re-test 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.