

Methyl MQ Silicone Resin

SK-MVR-810

Product Description:

● SK-MVR-810 is a trimethylsilyl-terminated polysilicic acid resin with a three-dimensional network structure, formed by hydrolysis and polycondensation of monofunctional and tetrafunctional siloxane units. Approximately 50% soluble in vinyl-terminated silicone oil, it exhibits excellent heat resistance and high light transmittance, making it an ideal reinforcing filler for addition-cure silicone gels and solvent-free pressure-sensitive adhesives.

Technical Specifications:

Test Item	Typical Data	Test standard/Instrument
Appearance	Colorless to light yellow transparent liquid	Visual inspection
M/Q Ratio	0.65~0.75	—
Viscosity (mPa·s /25°C)	9000~11000	GB/T 10247-2008
Hydroxyl Content (wt.%)	0.20~0.40	IR spectroscopy
Refractive Index (25°C)	1.41±0.01	GB/T 6488
Volatile content (%)	≤1.0	150°C/3H, atmospheric drying

Typical Applications:

- **Silicone Gel Reinforcement:** Enhances mechanical properties of addition-cure silicone gels as a reinforcing filler.
- **Solvent-Free PSAs:** Adjusts pressure sensitivity and strength for medical tapes and protective films.

Packaging & Storage:

- Packed in 200KG drums.
- Store in a dry, room-temperature environment.
- Non-flammable and non-hazardous; transport as non-dangerous goods.
- Shelf life: 12 months from production date. Re-inspection required after expiration.

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.