

Vinyl MQ Silicone Resin

SK-VR-7105

Product Description:

● SK-VR-7105 is a co-hydrolysate of tetraalkoxysilane and trimethylalkoxysilane, forming a three-dimensional polysilicic acid network with trimethylsilyl and vinyl dimethylalkoxysilyl terminal groups. Approximately 50% soluble in vinyl-terminated silicone oil, it delivers exceptional optical clarity, reinforcement properties, and thermal stability, making it ideal for medical adhesives, optical coatings, and other silicone applications.

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
Vinyl Content (wt.%)	0.40~0.60	Sodium thiosulfate titration
Refractive Index (25°C)	1.41±0.01	GB/T 6488
Volatile content (%)	≤1.0	150°C/3H, atmospheric drying

Typical Applications:

- Medical Adhesives: Reinforces silicone gels for medical dressings.
- Optical Clarity: Suitable for high-transparency components like optical lenses.
- Release Force Control: Acts as a heavy-release modifier for silicone release agents.

Packaging & Storage:

- 25KG fiber drums.
- Store in dry, room-temperature conditions.
- Non-hazardous | Transport as non-dangerous goods.
- 12-month shelf life (re-inspection required post-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.