

Vinyl MQ Silicone Resin

SK-VR-7105P

Product Description:

● This product is a co-hydrolysate of tetraalkoxysilane and trimethylalkoxysilane. Its molecular structure incorporates vinyl groups that can undergo hydrosilylation. It can be considered as a polysilicic acid resin with a three-dimensional network structure, terminated by trimethylsilyl and partially by vinyl dimethylalkoxy groups. It appears as a white powder.

Technical Specifications:

Test Item	Typical Data	Test standard/Instrument
Appearance	White powder	Visual inspection
M/Q ratio	0.65~0.75	/
Vinyl content (wt.%)	0.90~1.10	Sodium thiosulfate titration
Bulk density (g/cm ³)	0.20~0.30	GB/T 6488
Molecular weight (Mw)	4000±500	GB/T 31816-2015
Volatile content (%)	≤3.0	Drying method (150°C/3H)

Typical Applications:

- Reinforcement of addition-cure silicone rubber.
- Modification of high-temperature engineering plastics.
- Release force adjustment in silicone release agents.

Packaging and Storage:

- Packaged in 25KG paper drums;
- Store at room temperature in a dry 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. If expired, re-inspect and use only if qualified.

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.