

Alkoxy Silicone Resin

SK-AR-2403

Product Overview:

● This product is a solvent-free, low molecular weight methyl methoxy silicone liquid resin, designed for high-performance coatings and protective layers. It cures via moisture (without the need for isocyanates or tin catalysts), forming a hard, heat-resistant, and stain-resistant film. Compatible with various organic solvents (e.g., butyl acetate, xylene), it can be used alone as a binder or mixed with organic resins, suitable for transparent coatings and high-temperature protective systems with pigments.

Technical Specifications:

Test Item	Typical Data	Test Standard/Instrument
Appearance	Colorless to light yellow transparent liquid	Visual inspection
Viscosity (mPa.s/25℃)	50~200	GB/T 10247-2008
Methoxy Content (%)	34~38	ASTM D5622
Phenyl/Methyl (ratio)	All methyl	/
Molecular Weight (×1000)	0.6~0.8	ISO 13885-1

Typical Applications:

- Industrial Coatings: Anti-corrosion and high-temperature protection for pipelines, storage tanks, and other equipment.
- Wood Coatings: Provides waterproof and scratch-resistant protection with low surface tension, directly applied to wood surfaces.
- Silicone-Organic Resin Copolymers: Mixed with polyester or acrylic resins to enhance weather resistance and mechanical strength.

Packaging and Storage:

- Packaged in 200KG iron drums.
- Store at room temperature in a dry place.
- Non-flammable and non-explosive, classified as non-hazardous for transport.
- Best used within 12 months from the production date. If expired, re-inspect before use.

Safety and Environmental Protection:

- Ensure proper protective equipment is worn before using this product. For specific details, please refer to the Material Safety Data Sheet (MSDS).
- Dispose of used packaging in accordance with 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 provided 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, application testing and evaluation are recommended before use.
- Some performance parameters of the product can be adjusted according to customer requirements. If needed, please contact our technical department engineers.
