

Alkoxy Silicone Resin

SK-AP-2405

Product Introduction:

SK-AR-2405 is a methyl methoxy siloxane liquid resin designed for high-performance coatings and protective films. It cures via moisture (without requiring isocyanate or tin catalysts) to form hard, heat-resistant, and stain-resistant films. Compatible with various organic solvents, it can be used as a standalone binder or blended with organic resins, making it ideal for pigmented high-temperature protective coatings.

Technical Specifications:

Test Item	Typical Data	Test standard/Instrument
Appearance	Colorless to light yellow transparent liquid	Visual inspection
Viscosity (mPa·s/25°C)	100~300	GB/T 10247-2008
Methoxy Content (%)	26-30	ASTM D5622
Phenyl/Methyl Ratio	Fully methylated	/
Molecular Weight (x1000)	3.5~4.5	ISO 13885-1
Solid Content (%)	69~71	150° C/3H, atmospheric drying

Typical Applications:

- **Industrial Coatings:** Anti-corrosion and high-temperature protection for pipes, storage tanks, and other equipment.
- **Wood Coatings:** Provides waterproof and scratch-resistant protection with low surface tension for direct application.
- **Silicone-Organic Resin Copolymers:** Enhances weather resistance and mechanical strength when blended with polyester or acrylic resins.

Packaging & Storage:

- Packed in 200KG drums.
- Store in a dry, room-temperature environment.
- Flammable (contains solvents); transport according to hazardous material regulations.
- 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.