

Hydroxy Silicone Resin

SK-ROH-0806

Product Description:

● SK-ROH-0806 is a solvent-based silicone resin containing Si-OH functional groups, specifically designed for decorative and protective coatings in high-temperature environments. Its molecular structure incorporates phenyl groups, providing exceptional heat resistance, weather resistance, and compatibility with organic resins. Widely used in colored enamel coatings for heaters, ovens, and other high-temperature equipment.

Technical Specifications:

Test Item	Typical Data	Test standard/Instrument
Appearance	Colorless to light yellow transparent liquid	Visual inspection
Viscosity (mPa·s /25°C)	50~200	GB/T 10247-2008
Si-OH Content (%)	0.8~1.2	ASTM D5622
Phenyl/Methyl Ratio	1.1~1.3	/
Molecular Weight (x1000)	200~300	ISO 13885-1
Solid Content (%)	49~50	150°C/3H, atmospheric drying

Typical Applications:

- Industrial Coatings: Anti-corrosion and high-temperature protection for pipes, storage tanks, and other equipment.
- Industrial Ovens & Heaters: Colored enamel coatings for surfaces, combining aesthetics with heat resistance.
- Glass & Ceramic Coatings: Enhances thermal shock resistance of substrates under high temperatures.

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.