

Phenyl Vinyl Silicone Resin

SK-PVR-05-5406

Product Overview:

● Phenyl vinyl silicone resin is a high-performance silicone material that combines the high-temperature resistance of phenyl groups with the excellent reactivity of vinyl groups. Its unique molecular structure provides outstanding thermal stability, optical transparency, and adjustable hardness, making it suitable for electronic encapsulation, high-temperature protection, and precision optical applications.

Technical Specifications:

Test Item	Typical Data	Test Standard/Instrument
Appearance	Colorless to light yellow transparent liquid	Visual inspection
Viscosity (mPa.s/25℃)	6000~7000	GB/T 10247-2008
Vinyl Content (wt.%)	5~6	Sodium thiosulfate back-titration method
Refractive Index (25℃)	1.53~1.55	GB/T 6488
Volatile Content (%)	≤2.0	Drying at 150℃/3H (ambient pressure)

Typical Applications:

- Electronics & Electrical: LED/COB encapsulation, PCB protective coatings, sensor potting.
- High-Temperature Applications: Aerospace engine component coatings, automotive heat-resistant seals.
- Optical Components: Lenses, optical fiber coatings, display light-guide materials.
- Industrial Protection: High-temperature adhesives, anti-corrosion coating substrates.

Packaging and Storage:

- SK-PVR-05-5406 is packaged in 200KG iron drums.
- Store at room temperature in a dry place.
- This product is non-flammable and non-explosive, and should be transported as non-hazardous goods.
- 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.**
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