# Light-Moisture Dual Curable Silicone Resin

# SK-SIUV-509

## Product Description:

● SK-SIUV-509 is a chemically modified organic silicone polymer featuring dual curing mechanisms (UV light + moisture). It ensures deep curing in shadowed areas of complex 3D structures, thick coatings, or light-blocking regions, overcoming limitations of traditional UV-curable materials. Ideal for precision electronics, optical device encapsulation, medical equipment, new energy, and high-end industrial sealing.

## Technical Specifications：

| Test Item | Typical Data | Test standard/Instrument |
|---|---|---|
| Appearance | Slightly yellow, translucent liquid | Visual inspection |
| Viscosity (mPa·s, 25°C) | 500~1000 | GB/T 10247-2008 |
| Refractive index (25℃) | 1.43~1.44 | GB/T 6488 |
| Volatile content (%) | ≤2.0 | 150°C/3H, ambient pressure drying |

## Typical Applications:

● UV Adhesives: Precision bonding, encapsulation, and protection in electronics.

● Protective Coatings: PCBA conformal coatings with thermal/weather resistance, solving shadow-area curing challenges.

● PV Module Sealing: Housing seals, frame connections.

## Packaging & Storage:

● Packed in 200KG drums.

● Store in a cool, dry, and dark place.

● Non-flammable; transport as non-hazardous goods.

● Best used within 12 months of production. Re-test if expired.

## 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.