

Light-Moisture Dual Curable Silicone Resin

SK-SIUV-513

Product Description:

● SK-SIUV-513 is a chemically modified silicone polymer featuring both UV and moisture dual-cure mechanisms. It enables deep curing in shadowed areas of complex structures, overcoming the limitations of traditional UV-curable materials in 3D parts, thick coatings, or light-blocking applications. It is widely used in precision electronics bonding, 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)	4000~6000	GB/T 10247-2008
Refractive index (25°C)	1.40~1.42	GB/T 6488
Volatile content (%)	≤2.0	150°C/3H, atmospheric drying

Typical Applications:

- UV-curable adhesives: bonding, encapsulation, and protection in precision electronics.
- Protective coatings: conformal coating for PCBA with requirements for heat and weather resistance, especially in shadowed areas.
- Photovoltaic module sealing: case sealing and frame bonding.

Packaging & Storage:

- Packed in 200KG drums.
- Store in a cool, dry place away from light.
- 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.