UV/Moisture Dual-Cure Silicone Resin

SK-SIUV-508-1

Product Description:

- A chemically modified silicone resin with dual UV/moisture curing. The dual-cure mechanism enables deep curing in shadowed areas of complex structures, overcoming the curing limitations of conventional UV-curable materials in 3D components, thick coatings, and light-blocked areas. Widely used in precision electronics manufacturing, optical device encapsulation, medical devices, new energy, and high-end industrial sealing.

Technical Specifications：

Test Item	Typical Data	Test standard/Instrument
Appearance	Clear to slightly hazy liquid	Visual
Viscosity (mPa·s, 25°C)	10000~20000	GB/T 10247-2008
Refractive index (25℃)	1.40~1.41	GB/T 6488
Volatile content (%)	≤2.0	150°C/3h,atmospheric pressure drying
Curing Mechanism	Free-radical UV cure + moisture cure	/

Typical Applications:

- UV-curable adhesives: bonding and mounting, encapsulation and protection for precision electronics.
- Protective coatings: PCBA coating requiring heat and weather resistance; solves curing challenges in shadowed areas.
- PV module sealing: housing sealing and frame bonding.

Packaging & Storage:

- SK-SIUV-508-1 is packed in 5 kg/drum.
- Store at room temperature in a dry, light-protected place.
- Non-flammable and non-explosive; transport as non-dangerous goods.
- Best used within 12 months from date of manufacture. If expired, use only after passing retest.

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.