Acrylic Modified UV-Curable Silicone Resin

SK-SIUV-510

Product Description:

●Acrylic modified UV-curable silicone resin is an organosilicon polymer material chemically modified with (meth)acrylate functional groups. It combines the high reactivity of acrylic with the heat resistance and flexibility of silicone. It can be rapidly polymerized and cross-linked via UV-induced free radical reaction, forming a three-dimensional network structure.

Technical Specifications：

Test Item	Typical Data	Test Standard/Instrument
Appearance	Colorless to light yellow transparent liquid	Visual inspection
Viscosity (mm^2/s, 25℃)	2000~5000	GB/T 10247-2008
Refractive Index (25℃)	1.41~1.43	GB/T 6488
Volatile Content (%)	≤2.0	150℃/3H

Typical Applications:

● 3D Printing: Precision electronic components, flexible circuit printing.

●UV-Curable Coatings: Automotive headlights/interior UV coatings, optical fiber coating materials.

●UV-Curable Adhesives: High-temperature resistant optical adhesives (OCA), precision electronic bonding and protective adhesives.

Packaging and Storage:

● SK-SIUV-510 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 is derived from laboratory and practical experience and is for reference only. Since conditions and methods of use are beyond our control, application testing is recommended before use.
- Some performance parameters of the product can be adjusted according to customer requirements. If needed, please contact our technical department engineers.