

Silicone Adhesion Promoter

SK-Z04P

Product Characteristics:

- Significantly enhances adhesion of addition-cure silicone to substrates such as stainless steel, aluminum, glass, and PC.
- Highly reactive, enables bonding at low to medium temperatures.
- Hydrogen-containing reactive type.

Technical Specifications:

Parameter	Typical Data	Test Standard
Appearance	Colorless transparent liquid	Visual inspection
Kinematic Viscosity (mm ² /s @25°C)	5~50	GB/T 10247-2008
Refractive Index (25°C)	1.420~1.440	GB/T 6488
Hydrogen Content (wt%)	0.20~0.35	HG/T 4804-2015

Typical Applications:

- Silicone inks: improves adhesion between silicone ink and substrates.
- Electronic potting compounds: selective adhesion promoter for addition-cure thermal conductive and flame retardant potting gels.
- Sealants: used in CIPG/FIPG one-component addition-cure bonding sealants.

Usage Guidelines:

- Add to the hydrogen-containing component at 1–2% of the total silicone weight.
- Curing is recommended above 100°C. Curing time depends on the specific application.

Packaging & Storage:

- Packed in 5KG pails or 20KG cartons.
- Store at 0–8°C for optimal stability. Short-term room-temperature storage (<1 month) is acceptable but not advised.
- Non-flammable and non-explosive; classified as non-hazardous for transport.
- Optimal use within 3 months of production. Re-testing required if expired.

Safety & Environmental:

- Ensure proper protective equipment is worn when handling this product. Refer to the Material Safety Data Sheet (MSDS) for details.
- Dispose of packaging according to 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.