Silicone Adhesion Promoter

SK-AP05

Product Features:

- Enhances adhesion of addition-cure silicone to stainless steel, aluminum, glass, nylon, spandex, silicone products, and other substrates.
- Contains reactive "vinyl" groups.

Technical Specifications:

Test Item	Typical Data	Test standard
Appearance	Colorless to faint yellow transparent liquid	Visual inspection
Kinematic viscosity (mm^2/s @25°C)	5~50	GB/T 10247-2008
Refractive Index (25°C)	1.41~1.42	GB/T 6488
Vinyl content (wt%)	2.5~3.5	Sodium thiosulfate back-titration

Typical Applications:

- Screen printing inks: Promotes adhesion of addition-cure liquid silicone to various fabrics.
- Sealants: Used in CIPG/FIPG one-part addition-cure adhesive sealants.
- Coupling agent: Improves interlayer adhesion between hot-melt TPU and liquid silicone.

Usage Guidelines:

- Compatible with any formulation component. Recommended dosage: 1–2% of total silicone weight.
- For optimal performance, cure silicone at temperatures above 100°C. Curing time varies by application.

Packaging & Storage:

- Packaging: 5 kg/bucket, 20 kg/carton.
- Storage: Store at room temperature in a dry, dark place.
- Transport: Non-hazardous material.
- Shelf life: Best used within 3 months of production. Re-test required 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.