Silicone Adhesion Promoter

SK-AP04

Product Features:

- Significantly enhances the adhesion of addition-cure silicone to spandex, nylon fabric, EVA, TPU, PU, and other substrates.
- Contains reactive vinyl groups for improved bonding performance.

Technical Specifications:

Test Item	Typical Data	Test standard
Appearance	Yellow transparent liquid	Visual inspection
Viscosity (mPa·s @25°C)	8000~12000	GB/T 10247-2008
Refractive Index (25°C)	1.55~1.56	GB/T 6488
Vinyl content (wt%)	1.0~1.5	Sodium thiosulfate back-titration

Typical Applications:

- Silicone leather: Promotes self-adhesion of liquid silicone to PU/TPU.
- Screen printing silicone: Enhances bonding of addition-cure liquid silicone to various fabrics.

Usage Guidelines:

- Add to the hydrogen-containing component at 1–2% of total silicone weight.
- May inhibit platinum catalysts—adjust catalyst and inhibitor dosage accordingly.
- For optimal adhesion, cure at 120°C or higher (medium to high temperature recommended).

Packaging & Storage:

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