

High-Index Adhesion Promoter

SK-AP102

Product Features:

- Enhances adhesion of "high-index silicone" to PPA, silver-plated materials, and other substrates.
- High refractive index with excellent compatibility to phenyl silicone resins.
- Contains reactive vinyl groups for improved bonding performance.

Technical Specifications:

Test Item	Typical Data	Test standard
Appearance	Pale yellow transparent liquid	Visual inspection
Viscosity (mPa·s at 25°C)	1000~2000	GB/T 10247-2008
Refractive Index (25°C)	1.49~1.51	GB/T 6488
Vinyl Content (wt%)	2.0~3.0	Sodium thiosulfate titration

Typical Applications:

- High-index silicone for LED encapsulation: Improves adhesion of phenyl silicone resins to PPA, silver-plated surfaces, and similar materials.
- Insulating die-attach adhesives: Enhances bonding strength between adhesives and substrates.

Usage Guidelines:

- Add 1–2% (by total silicone weight) to any component.
- Recommended curing conditions: 100°C/1H + 150°C/3H for optimal adhesion.

Packaging & Storage:

- Packaged in 5KG/bucket or 20KG/carton.
- Store in a cool, dry, and dark place at room temperature.
- Classified as non-hazardous for transportation.
- 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.