

Silicone Adhesion Promoter

SK-Z05

Product Features:

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

Technical Specifications:

Test Item	Typical Data	Test standard
Appearance	Pale yellow transparent liquid	Visual inspection
Kinematic viscosity (mm ² /s @25°C)	5~50	GB/T 10247-2008
Refractive Index (25°C)	1.43~1.44	GB/T 6488
Vinyl content (wt%)	9.0~11.0	Sodium thiosulfate titration

Typical Applications:

- Silicone printing on Lycra fabricLiquid silicone rubber (LSR): Promotes adhesion of addition-cure LSR to various substrates.
- Silicone products: Acts as an adhesion enhancer for addition-cure LSR bonding to silicone products.
- Coupling agent: Improves interlayer adhesion between hot-melt TPU and LSR.

Usage Guidelines:

- Add 1–2% (by total silicone weight) to any component.
- May inhibit platinum catalysts; adjust catalyst/inhibitor dosage accordingly.
- Elevated curing temperatures ($\geq 120^{\circ}\text{C}$) enhance adhesion performance.

Packaging & Storage:

- Packed in 5KG pails, 20KG per carton.
- Store in a cool, dry place away from light.
- Non-flammable; transport as non-hazardous material.
- Optimal shelf life: 3 months from production date. 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.