

## Silicone Heat Resistance Agent

### SK-T01

#### Product Overview:

● A lanthanide metal compound-polysiloxane complex with excellent compatibility in silicone materials. Enhances thermal stability by capturing free radicals generated during oxidation, thereby extending the service life of silicone rubber in high-temperature, oxygen-rich environments.

#### Technical Specifications:

Test Item	Typical Data	Test standard
Appearance	Slightly turbid yellow liquid	Visual inspection
Solid content (%)	≥99	150° C/3H
Refractive index (25°C)	1.40~1.41	GB/T 6488
Viscosity (mPa·s/25°C)	50~300	GB/T 10247-2008

#### Key Features & Applications:

- High-temperature-resistant silicone rubber;
- High-power LED encapsulation silicone;
- IGBT module encapsulation silicone gel.

#### Usage Guidelines:

- Add to any formulation component at 1–5% loading.

#### Packaging & Storage:

- Available in 5KG pails or 20KG cartons.
- Store in cool, dry place protected from light.
- Non-hazardous for transportation.
- Optimal shelf life: 3 months (re-inspection required post-expiration).

#### 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.