

## KE-1867

### Features

- One component
- Heat cure type
- High thermally conductivity
- Flame retardant (UL approved File NO.E48923)
- Solvent free
- Non corrosive property to general metals
- Flexible silicone rubber - from -40 to +180C
- Excellent electrical properties

### Applications

Sealing or adhesion for electronic equipment and modules

### Typical Properties

Item	Unit	Properties
Cure type		Addition
Color		Gray
Viscosity	Pa·s	60
Density 23°C	g/cm <sup>3</sup>	2.92
Hardness	Type-A	75
Elongation at break	%	70
Tensile strength	MPa	1.2
Lap shear strength (Aluminum)	MPa	1.0
Volume resistivity	T Ω·m	1.2
Dielectric strength	kV/mm	23
Dielectric constant 50Hz		6.7
Dissipation factor 50Hz		0.0045
Thermal conductivity	W/m·K	2.5
Flame Class	UL94	V-0

Not specified value

**Packing:** 200g tube, 900g cartridge, 1kg can    **Curing Condition:** 120C/60min.

### Handling precautions

When KE-1867 contact with inhibitors (ex. sulfur, phosphorus, nitrogen compounds, water, organometallic salts, and so on), it may shows a defective cure.

KE-1867 should not be used in high humid condition, as this may causes defective curing and poor adhesion.

Completely remove water, oil, dirt and contaminants from the surface of the adherend.

For certain substrates, use a primer as needed.

Before using, take KE-1867 out of the refrigerator and keep it outside at normal temperature for a while.

Don't unseal the container until the temperature inside raises above the dew point.

### Storage precaution

KE-1867 should be stored in tightly sealed original container at below 10C in refrigerator.

## Safety and hygiene

Uncured KE-1867 may irritate skin and mucous membranes, so avoid eye contact and prolonged skin contact. In case of accidental eye contact, flush with water for at least 15 minutes and see a physician. In case of skin contact, immediately wipe off with a dry cloth and wash with soapy water. Contact lens wearers should exercise adequate caution; if uncured KE-1867 enters the eyes, the contact lens may become bonded to the eye.

When using, be careful not to rub the eyes with the hands. Please take appropriate precautions such as wearing safety glasses.

Make sure that work area is well ventilated. Be careful not to inhale vapors from the products used.

Keep out of reach of children.

For more information, please read the Material Safety Data Sheet (MSDS). You can receive an MSDS from our Sales Department.

## Contact us

Shin-Etsu Chemical Co., Ltd.

Silicone Division, Sales and Marketing Department IV

6-1, Ohtemachi 2-chome, Chiyoda-ku, Tokyo, Japan

TEL:+81-3-3246-5152, FAX: +81-3-3246-5362

<http://www.shinetsu.co.jp>

Shin-Etsu Silicone International Trading (Shanghai) Co., Ltd

29F Junyao International Plaza, No.789, Zhao Jia Bang Road, Shanghai 200320

TEL:+86-21-6443-5550, FAX:+86-21-6443-5868

<http://www.shinetsu.com.cn>

Shin-Etsu Silicone Taiwan Co., Ltd.

Hung Kuo Building 11F-D, No.167, Tun Hua N.RD., Taipei, 10549, Taiwan, R.O.C.

TEL:+886-2-2715-0055, FAX:+886-2-2715-0066

<http://www.shinetsu.com.tw>

Shin-Etsu Silicone Korea Co., Ltd.

Danam B/D 9F,Namdaemunno5(O)-Ga, Jung-Gu, Seoul 100-704 Korea

TEL:+82-2-755-9691, FAX:+82-2-775-9690

<http://www.shinetsu.net>

Shin-Etsu Singapore Pte.Ltd.

4 Shenton Way #10-03/06 SGX Centre II Singapore 06807

TEL:+65-6743-7277, FAX:+65-6743+7477

<http://www.shinetsu.com.sg>

Shin-Etsu Silicones (Thailand) Ltd.

7th Floor, Harindhorn Tower, 54 North Sathorn Road, Bangkok 10500 Thailand

TEL:+66-2-632-2941, FAX:+66-2-632-2945

Shin-Etsu Silicones of America, Inc.

1150 Damar Drive, Akron OH 44305 U.S.A.

TEL:+1-330-630-9860, FAX:+1-330-630-9855

<http://www.shinetsusilicones.com>

Shin-Etsu Silicones Europe B.V.

Bolderweg 32, 1332 AV Almere, The Netherlands

TEL:+31-36-5493170, FAX:+31-36-5326459

## **Warranty**

The data and information presented in this catalog may not be relied upon to represent standard values. Shin-Etsu reserves the right to change such data and information, in whole or in part, in this catalog, including product performance standards and specification without notice.

Users are solely responsible for making preliminary tests to determine the suitability of products for their intended use. Statements concerning possible or suggested uses made herein may not be relied upon, or be construed, as a guaranty of no patent infringement.

The silicone products described herein have been designed, manufactured and developed solely for general industrial use only; such silicone products are not designed for, intended for use as, or suitable for, medical, surgical or other particular purposes. Users have the sole responsibility and obligation to determine the suitability of the silicone products described herein for any application, to make preliminary tests, and to confirm the safety of such products for their use.

Users must never use the silicone products described herein for the purpose of implantation into the human body and /or injection into humans.

Users are solely responsible for exporting or importing the silicone products described herein, and complying with all applicable laws, regulations, and rules relating to the use of such products. Shin-Etsu recommends checking each pertinent country's laws, regulations, and rules in advance, when exporting or importing, and before using, the products.

Please contact Shin-Etsu before reproducing any part of this catalog.

Copyright belongs to Shin-Etsu Chemical Co., Ltd.