



Silicone RTV Conformal Coating material

KE-3421

Features

- One component
- Room temperature cure type
- Low viscosity
- Solvent free
- Fast tack-free time
- Not cause corrosion on metals
- Application temperature range from -40 to 180C
- Good adhesion to glass,metals,ceramics,plastics etc.
- Excellent electrical insulation

Applications

Coating for Electronics components and Printed Circuit Boards etc.

Typical Properties

Item	Unit	Properties
Color		Colorless to Light yellow
Viscosity	Pa · s	0.3
Tack-free time	min.	5
Specific gravity	g/cm ³	0.98
Hardness	Type-A	33
Elongation at break	%	140
Tensile strength	Mpa	0.5
Adhesion strength	kN/m	2.0
Volume resistivity	TΩ · m	60
Dielectric breakdown strength	kV/mm	25
Dielectric constant 50Hz		3.0
Dissipation factor 50Hz		3E-3

Not specification

Packing

1kg can

Usage

- 1 Using sandpaper or a solvent (toluene,xylene,etc), thoroughly clean the surface to remove all foreign matter such as rust, oil, dirt, and grime that may impair bonding. Use caution when cleaning plastics with solvents, as some solvents may damage certain plastics.
- 2 Apply a thin coat of KE-3421 by dispenser, brushing or dipping.

Handling precautions

- 1 KE-3421 reacts with moisture in the air and begins to cure at the surface. Consequently, the cure speed will vary according to the temperature and humidity of the use environment, but KE-3421 does not exhibit good deep-curing and is therefore not suitable for wide-area surface bonding. In addition, please note that if humidity exceeds 100% and water droplets form on the curing rubber, a hydrolytic reaction will precede the cross linking cure reaction, which will reduce the strength of the post-cured rubber and remain surface tackiness.
- 2 The electrical isolative properties will temporarily decline during the curing process. But in nearly all cases, KE-3421 exhibit its inherent electrical isolative properties once completely cured.
- 3 Please note that in some cases, the KE-3421 may not cure if it comes in contact with flux or certain other materials.
- 4 Does not use KE-3421 in a completely enclosed space.
- 5 KE-3421 may yellow over time, but this does not negatively affect the characteristic properties.
- 6 Completely remove water, oil, dirt, and contaminants from the surface of the adhered. For certain substrates, use a primer as needed.

Safety and hygiene

- 1 Be sure to provide adequate ventilation when using KE-3421. During curing Acetone gas is generated.
If you experience any unpleasant symptoms please move to an area with fresh air.
- 2 Uncured KE-3421 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-3421 enters the eye, the contact lens may become bonded to the eye.
- 3 When using, be careful not to rub the eyes with the hands. Please take appropriate precautions such as wearing safety glasses.
- 4 Keep out of reach of children.
- 5 For more information, please read the Material Safety Data Sheet (MSDS) . You can receive an MSDS from our Sales Department.

Storage precaution

- 1 Stored between 1~25°C, out of direct sunlight.

Warranty

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