



## KE-1051J A/B

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### Product Description

Shin-Etsu's KE-1051J A/B is an optically clear, dual component, room-temperature cure potting gel that will cure to form a soft, pliable elastomer to protect sensitive electronic components. KE-1051J A/B is resistant to yellowing over time when used over LED lights or in photovoltaic applications, provides superior vibration resistance, and exhibits excellent, unprimed adhesion to metals, plastics, glass, and ceramics.

### Product Features

- Optically clear
- Resistant to yellowing over time
- Superior vibration resistance
- Dual component
- 1:1 mix ratio
- Room-temperature cure

### Typical Applications

- Encapsulating LED diodes
- Stress reduction and vibration resistance for sensitive electronic components

### Typical Properties

Type	Potting Gel
Cure Type	Addition
One/Two Component	Two
Color	Transparent
Density @ 23C (g/cm <sup>3</sup> )	0.97
Viscosity A (cps)	700.00
Mix Ratio by weight	100:100
Cure Conditions	24hr @ 23C
Working Time	1 Hour
Penetration (1/10mm)	65
Volume Resistivity (TΩ·m)	10
Dielectric Strength (kV/mm)	14
Dielectric Constant	3.0 @ 50Hz
Dielectric Dissipation Factor	5x10 <sup>-4</sup> @ 50Hz
Thermal Conductivity (W/m·K)	0.20
Usable Temperature Range (C)	-40 to +180

*Note: Values are not for specification purposes.*

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