



Shin-Etsu Silicones of America, Inc.
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KE-1051J A/B

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 ³)	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 ⁻⁴ @ 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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