



KE-3421

Shin-Etsu Silicones of America, Inc.
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Product Description

Shin-Etsu's KE-3421 is a fast, single component, room-temperature curing conformal coating that will cure to form a durable and flexible elastomer for protecting electronic components. KE-3421 is suitable for application by selective spray coating, mass coating, and flow coating, making it ideal for coating circuit boards. KE-3421 meets IPC-CC-830, Amendment B

Product Features

- UV tracer for easy inspection
- Fast cure
- Single component
- Room-temperature cure
- Low odor and non-corrosive
- Excellent unprimed adhesion to most substrates
- UL V-1
- IPC-CC-830 Amendment B

Typical Applications

- Coating circuit boards and other electronic components

Typical Properties

Type	Conformal Coating
Cure Type	Condensation
One/Two Component	One
UL Listing	Y
Color	Light Yellow Translucent
Density @ 23C (g/cm ³)	1.00
Viscosity (cps)	250.00
Cure Conditions	7days @ 23C/50% RH
Tack Free Time (min)	5
Shore A Hardness	25
Tensile Strength (MPa)	0.70
% Elongation	80
Shear Strength (MPa)	0.20
Volume Resistivity (TΩ·m)	1
Dielectric Strength (kV/mm)	25
Dielectric Constant	3.1 @ 50Hz
Dielectric Dissipation Factor	1x10 ⁻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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