



KE-1204 A/B

Shin-Etsu Silicones of America, Inc.
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Product Description

Shin-Etsu's KE-1204 A/B is a UL 94 V-0 rated, dual component, heat cure, potting encapsulant that will form a durable, flexible rubber to protect electronic components. KE-1204 A/B exhibits excellent high temperature resistance, electrical isolation, and adhesion to printed circuit board substrates, metals, plastics, glass, and ceramics.

Product Features

- High temperature resistance (up to 260C intermittent)
- Fast cure time
- UL 94 V-0 certified
- Dual component
- 1:1 mix ratio
- Heat cure
- Self-leveling

Typical Applications

- Protecting and electrically isolating electronic components

Typical Properties

Type	Potting Encapsulant
Cure Type	Addition
One/Two Component	Two
UL Listing	Y
Low Molecular Weight Siloxane Stripped?	Y
Color	Reddish Brown
Density @ 23C (g/cm ³)	1.54
Viscosity A (cps)	5000.00
Mix Ratio by weight	100:100
Cure Conditions	15min @ 100C
Working Time	8 Hours
Shore A Hardness	70
Tensile Strength (MPa)	3.50
% Elongation	70
Volume Resistivity (TΩ·m)	2
Dielectric Strength (kV/mm)	27
Dielectric Constant	3.2 @ 50Hz
Dielectric Dissipation Factor	1x10 ⁻³ @ 50Hz
Thermal Conductivity (W/m·K)	0.30
Usable Temperature Range (C)	-40 to +200

Note: Values are not for specification purposes.

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