



KE-1842

Shin-Etsu Silicones of America, Inc.
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Product Description

Shin-Etsu's KE-1842 is a single component, heat cure, self-leveling potting encapsulant that will cure to form a durable, flexible rubber to protect electronic components. KE-1842 exhibits excellent electrical isolation and unprimed adhesion to printed circuit boards, metals, plastics, glass, and ceramics.

Product Features

- Single component
- Heat cured
- Self-leveling

Typical Applications

- Protecting and electrically isolating electronic components
- Stress reduction

Typical Properties

Type	Potting Encapsulant
Cure Type	Addition
One/Two Component	One
Cold Storage	Y
Color	White
Density @ 23C (g/cm ³)	1.0
Viscosity (cps)	4000
Cure Conditions	1hr @ 120C
Shore A Hardness	13
Tensile Strength (MPa)	0.4
% Elongation	200
Shear Strength (MPa)	0.20
Volume Resistivity (TΩ·m)	1.0
Dielectric Strength (kV/mm)	20
Dielectric Constant	3.5 @ 50Hz
Dielectric Dissipation Factor	5x10 ⁻³ @ 50Hz
Usable Temperature Range (C)	-40 to +180

Note: Values are not for specification purposes.

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