



KE-1861 A/B

Shin-Etsu Silicones of America, Inc.
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Product Description

Shin-Etsu's KE-1861 A/B is a UL 94 V-0 rated, dual component, heat curing product that will form a durable, protective rubber suitable for protecting electronic components. KE-1861 A/B exhibits high thermal conductivity and good adhesion to metal, plastic, glass, and ceramic.

Product Features

- High thermal conductivity
- UL 94 V-0 rated
- Dual component
- Heat cure
- Flowable

Typical Applications

- Electronics potting and encapsulation

Typical Properties

Type	Liquid-dispensed Thermal Adhesives
Cure Type	Addition
One/Two Component	Two
UL Listing	Y
Color	Gray
Density @ 23C (g/cm ³)	2.22
Viscosity (Pa·s)	50
Mix Ratio by Weight	100:100
Cure Conditions	1hr @ 120C
Working Time	5 Hours
Shore A Hardness	75
Tensile Strength (MPa)	6.40
% Elongation	80
Lap Shear Strength (MPa)	1.0
Volume Resistivity (TΩ·m)	10.000
Dielectric Strength (kV/mm)	25.0
Dielectric Dissipation Factor	2x10 ⁻³ @ 50Hz
Dielectric Constant	4.0 @ 50Hz
Thermal Conductivity (W/m·K)	0.83
Usable Temp. Range (C)	-40 to +200

Note: Values are not for specification purposes.

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