



KE-3417

Shin-Etsu Silicones of America, Inc.
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Product Description

Shin-Etsu's KE-3417 is a single component, room-temperature cure, self-leveling adhesive that cures to form a tough, durable elastomer and exhibits exceptional high temperature resistance. KE-3417 is a low odor, neutral cure, non-corrosive product that exhibits excellent, unprimed adhesion to metals, plastics, glass, and ceramics. KE-3417 is superior to other standard high temperature resistant silicone materials for its heat resistance and can withstand intermittent temperatures up to 315 Celsius.

Product Features

- Exceptional heat resistance
- Single component
- Room-temperature cure
- Self-leveling
- Low odor and non-corrosive

Typical Applications

- Sealing heating elements
- Sealing and bonding in high temperature applications

Typical Properties

Type	Adhesive/Sealant
Cure Type	Condensation
One/Two Component	One
Color	Black
Density @ 23C (g/cm ³)	1.05
Viscosity (Pa·s)	45.00
Cure Conditions	7days @ 23C/50% RH
Tack Free Time (min)	12
Shore A Hardness	35
Tensile Strength (MPa)	1.40
% Elongation	200
Shear Strength (MPa)	0.80
Volume Resistivity (TΩ·m)	0.2
Dielectric Strength (kV/mm)	20
Dielectric Constant	3.2 @ 50Hz
Dielectric Dissipation Factor	1x10 ⁻³ @ 50Hz
Thermal Conductivity (W/m·K)	0.25
Usable Temperature Range (C)	-40 to +250

Note: Values are not for specification purposes.

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