

Product Description

Shin-Etsu's KE-4918 is a UL 94 V-0 rated, single component, fast, room-temperature curing material that will form a tough, durable elastomer. KE-4918 exhibits high thermal conductivity and good adhesion to metal, plastic, glass, and ceramic.

Product Features

- High thermal conductivity
- UL 94 V-0 certified
- Single component
- Room-temperature cure
- Quick tack free time
- Thixotropic paste

Typical Applications

- Adhering and sealing in a variety of applications requiring high thermal conductivity

Typical Properties

Type	Liquid-dispensed Thermal Adhesives
Cure Type	Condensation
One/Two Component	One
UL Listing	Y
Low Molecular Weight Siloxane Stripped?	Y
Color	White
By-Product Gas	Alcohol
Density @ 23C (g/cm ³)	1.68
Cure Conditions	7days @ 23C/50% RH
Tack Free Time (min)	4
Shore A Hardness	66
Tensile Strength (MPa)	2.30
% Elongation	60
Lap Shear Strength (MPa)	1.0
Volume Resistivity (TΩ·m)	7.000
Dielectric Strength (kV/mm)	29.0
Dielectric Dissipation Factor	2x10 ⁻¹ @ 50Hz
Dielectric Constant	3.9 @ 50Hz
Thermal Conductivity (W/m·K)	0.88
Usable Temp. Range (C)	-40 to +200

Note: Values are not for specification purposes.

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