



KE-1871

Product Description

Shin-Etsu's KE-1871 is a fast, single component, heat curing conformal coating that will cure to form a durable and flexible elastomer for protecting electronic components. KE-1871 is suitable for application by selective spray coating, mass coating, and flow coating, making it ideal for coating circuit boards.

Product Features

- High heat resistant
- Fast cure
- Single component
- Heat cure
- Excellent unprimed adhesion to most substrates

Typical Applications

- Coating circuit boards and other electronic components

Typical Properties

Type	Conformal Coating
Cure Type	Addition
One/Two Component	One
Cold Storage	Y
Color	Light Yellow Translucent
Density @ 23C (g/cm ³)	1.01
Viscosity (cps)	900.00
Cure Conditions	30min @ 120C
Working Time	24 Hours
Shore A Hardness	27
Tensile Strength (MPa)	2.20
% Elongation	180
Shear Strength (MPa)	0.20
Volume Resistivity (TΩ·m)	29
Dielectric Strength (kV/mm)	27
Dielectric Constant	2.9 @ 50Hz
Dielectric Dissipation Factor	2.0 x 10 ⁻⁴ @ 50Hz
Thermal Conductivity (W/m·K)	0.20
Usable Temperature Range (C)	-40 to +200

Note: Values are not for specification purposes.

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