



## KE348 Non-Corrosive Adhesive/Sealant

### FEATURING:

- Low/No Odor System
- 5 Minute Tack Free Time
- Non-Corrosive, Self priming adhesion
- Electronics Grade
- UL Recognized Material

Shin-Etsu KE348 is a non-corrosive silicone sealant/adhesive that is especially formulated to offer outstanding insulation performance over a wide range of temperature (-65°C to 200°C). The material cures quickly upon exposure to atmospheric moisture and exhibits excellent adhesion to most printed circuit board substrates. Also shows good adhesion to glass, wood ceramics, metals, and plastics like ABS, Polycarbonate and PVC.

### TYPICAL PROPERTIES

<b>Before Cure</b>		
	Appearance	Translucent or White
	Viscosity, 25°C, cps	Thixotropic Paste
	Specific Gravity, 25°C	1.05
	Tack Free Time, min.	5
Cure Type	Moisture/Condensation	
	Solids %	100%
<b>Physical Properties</b>		
	Hardness, Shore A	30
	Tensile Strength, PSI	355 psi
	Elongation, %	410
	Shear Strength, AL-AL	130 psi

<b>Electrical Properties</b>		
	Volume Resistivity,	$1 \times 10^{15}$ ohm-cm
	Dielectric Strength	500 V/mil
	Dielectric Constant, 60Hz	2.5 max
	Dissipation Factor, 60Hz	$1 \times 10^{-3}$
UV Tracer	No	

### **SHELF LIFE**

The shelf life for KE348 when stored at 25°C or below is six months from date of shipment. When stored in the original unopened container.

### **CURE**

For optimal properties the recommended cure schedule for KE348 is 3 hours at 25°C and 50% RH in depths of 8 mils or less. The product will become tack free in 5 minutes.

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