

FE-57

Product Description

Shin-Etsu's FE-57 is a single component, heat cure, fluoro-based polysiloxane potting gel that will cure to form a soft, pliable elastomer to protect sensitive electronic components. FE-57 provides superior oil and solvent resistance, vibration resistance, and exhibits excellent, unprimed adhesion to metals, plastics, glass, and ceramics.

Product Features

- Superior oil and solvent resistance
- Superior vibration resistance protection
- Excellent electrical insulation
- Single component
- Heat cure

Typical Applications

- Protecting sensitive electronic components in harsh environments

Typical Properties

Type	Potting Gel
Cure Type	Addition
One/Two Component	One
Cold Storage	Y
Color	Light Brown
Density @ 23C (g/cm ³)	1.28
Viscosity (cps)	2000.00
Cure Conditions	2hr @ 125C
Working Time	10 Hours
Penetration (1/10mm)	60
Volume Resistivity (TΩ·m)	0.02
Dielectric Constant	7.0 @ 50Hz
Dielectric Dissipation Factor	1 x 10 ⁻² @ 50Hz
Usable Temperature Range (C)	-50 to +180

Note: Values are not for specification purposes.

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