



X-831-070 A/B

Shin-Etsu Silicones of America, Inc.
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Product Description

Shin-Etsu's X-831-070 A/B is a dual component, room-temperature or heat accelerated cure, self-leveling potting encapsulant that will cure to form a durable, flexible rubber to protect electronic components. X-831-070 A/B exhibits excellent electrical isolation and adhesion to printed circuit board substrates, metals, plastics, glass, and ceramics.

Product Features

- Dual component
- Room temperature or heat accelerated cure
- Self-leveling

Typical Applications

- Protecting and electrically isolating electronic components
- Stress reduction

Typical Properties

Type	Potting Encapsulant
Cure Type	Addition
One/Two Component	Two
Color	Black
Density @ 23C (g/cm ³)	1.23
Viscosity A (cps)	15000.00
Mix Ratio by weight	100:100
Cure Conditions	24hr @ 23C
Snap Time (min)	6
Shore A Hardness	30
Tensile Strength (MPa)	1.20
Tear Strength (kN/m)	4.00000
% Elongation	125
Volume Resistivity (TΩ·m)	4.5
Dielectric Strength (kV/mm)	22
Dielectric Constant	3.7 @ 50Hz
Dielectric Dissipation Factor	3.5x10 ⁻² @ 50Hz
Usable Temperature Range (C)	-40 to +180

Note: Values are not for specification purposes.

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