

## X-832-050 A/B

Shin-Etsu Silicones of America, Inc.  
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### Product Description

Shin-Etsu's X-832-050 A/B is a dual component, room-temperature cure, dimethyl-based polysiloxane potting gel that will cure to form a soft, pliable elastomer to protect sensitive electronic components. X-832-050 A/B provide superior vibration resistance and exhibits excellent, unprimed adhesion to metals, plastics, glass, and ceramics.

### Product Features

- Superior vibration resistance
- Excellent electrical insulation
- Dual component
- 1:1 mix ratio
- Room-temperature cure

### Typical Applications

- Protecting sensitive electronic components

### Storage and Shelf Life

The shelf lives of X-832-050 A/B are six months from the date of shipment when stored at 23C in their original, unopened containers.

### Typical Properties

|                                    |                           |
|------------------------------------|---------------------------|
| Type                               | Potting Gel               |
| Cure Type                          | Addition                  |
| One/Two Component                  | Two                       |
| Color                              | Transparent               |
| Density @ 23C (g/cm <sup>3</sup> ) | 0.99                      |
| Viscosity (cps)                    | 750                       |
| Cure Conditions                    | 24hr @ 23C                |
| Snap Time (min)                    | 7                         |
| Penetration (1/10mm)               | 75                        |
| Volume Resistivity (TΩ·m)          | 2.0                       |
| Dielectric Constant                | 2.7 @ 50Hz                |
| Dielectric Dissipation Factor      | 2x10 <sup>-4</sup> @ 50Hz |
| Usable Temperature Range (C)       | -40 to +180               |

*Note: Values are not for specification purposes.*

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