



X-832-299 A/B

Shin-Etsu Silicones of America, Inc.
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Product Description

Shin-Etsu's X-832-299 is a two part dimethyl-polysiloxane based potting gel that will cure to form a soft pliable elastomer to protect sensitive electronic components. This material has adhesion to most substrates including aluminum, stainless steel, chromium, copper, nickel, brass, iron glass and ceramics. Tinted colors make this material easy to preform visual inspection to ensure proper mixing.

Product Features

- Superior vibration resistance
- Excellent electrical insulation
- Dual component, 1:1 mix ratio
- Room-temperature cure
- Pigmented for easy inspection

Typical Properties

Type	Potting Gel
Cure Type	Addition
One/Two Component	Two
Color	A-Blue, B-Red
Viscosity A (cps)	700.00
Viscosity B (cps)	700.00
Mix Ratio by weight	100:100
Cure Conditions	24hr @ 23C
Snap Time (min)	8
Penetration (1/10mm)	80
Volume Resistivity ($\Omega \cdot \text{cm}$)	2×10^{15}
Dielectric Strength (kV/mm)	20
Dielectric Constant	2.7 @ 50Hz
Dielectric Dissipation Factor	60
Thermal Conductivity (W/m·K)	0.16
Usable Temperature Range (C)	-40C to +200C

Note: Values are not for specification purposes.

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