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# EdgeControl® SD8002

## TECHNICAL DATA SHEET 927

Page 1 of 1

### DESCRIPTION

Polysciences, Inc. SD 8002 is a, 100% solids, one component, liquid encapsulant designed for encapsulation, and bonding applications requiring very high modulus and heat resistance. The products thixotropic nature makes it well suited as a damming product for low viscosity encapsulants and other bonding uses requiring minimal flow during curing. The product's dimensional stability results in low stress properties, which are useful for sensitive electronic component assembly.

### PRODUCT BENEFITS

- Thixotropic
- Easy to Dispense
- High Tg
- Low CTE
- Rigid, High Modulus
- Durable

### UNCURED (WET) PROPERTIES

Appearance	Black Paste
Specific Gravity	1.7
Viscosity	200 Kcps
Pot Life @ 25°C	24 hours

### PROCESS PARAMETERS

Thawing Thaw at room temperature prior to use. Apply SD 8002 using a suitable size syringe tip to the area to be bonded or sealed.

Cure Cycle Can be cured through a range of cure cycles. The optimum cycle being: 60 minutes @ 100°C + 60 minutes @ 165°C

### CURED PROPERTIES

(Typical Properties, values approximate)

Durometer	85D
Tg	150°C
CTE	15 ppm
Youngs Modulus	3.5 GPa

### STORAGE AND HANDLING

Storage	Store at -40°C for up to 12 months
Safety	Refer to MSDS for details

*All values are considered typical based on tests believed to be accurate. Polysciences, Inc. may change the data as appropriate.*

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