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EdgeControl® SD1011

TECHNICAL DATA SHEET 925

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DESCRIPTION

Polysciences, Inc. SD 1011 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. 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
- Rigid, High Modulus
- Durable

UNCURED (WET) PROPERTIES

Appearance	Black Paste
Specific Gravity	1.7
Viscosity	30 Kcps
Pot Life @ 25°C	24 hours

PROCESS PARAMETERS

Thawing	Thaw at room temperature prior to use. Apply SD 1011 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: 90 minutes @ 100°C + 60 minutes @ 165°C

CURED PROPERTIES

(Typical Properties, values approximate)

Durometer	85D
Tg	180°C
CTE	15 ppm
Youngs Modulus	4 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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