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TECHNICAL DATA SHEET 925

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EdgeControl® SD1011

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

Thaw at room temperature prior to use. Thawing

> 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 180°C Tq CTE 15 ppm Youngs Modulus 4 GPa

STORAGE AND HANDLING

Storage Store at -40°C for up to 12 months

Refer to MSDS for details Safety

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

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