



Manufacturer:
ÅngströmBond®

Product Name:
ÅngströmBond® AB9119 Epoxy, Heat Cure (2.5g)

Manufacturer Part Number:
AB9119-2.5G



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ÅngströmBond®

Adhesives

Advanced Polymers for High Tech Applications

ÅngströmBond® AB9119

Low Toxicity, Heat Cure Epoxy for Fiber Optic Applications

Description:

ÅngströmBond® AB9119 is a heat cure adhesive. This low viscosity system has a long working time, short cure cycle and changes from light yellow when mixed to red-amber when fully cured. It produces a high glass transition temperature making it an excellent choice for fiber optic terminations where minimal pistoning is required.

ÅngströmBond® AB9119 develops strong bonds to glass, plastics, metals, and ceramics allowing it to be used in critical optic applications where high strength and long-term dependability are crucial. **Passes NASA low outgassing.**

Typical Physical Properties:

Color:	Amber/Dark Red
Specific Gravity, g/cc	1.16
Viscosity @ 25°C, cps:	1800
Service Temperature Range, °C:	-65 to 175
Glass Transition, °C:	120
Hardness, Shore D:	86
Mix Ratio by Weight, Resin to Hardener:	100/10
Dielectric Strength:	> 400
Solids Content, %:	100
Lap Shear Strength, psi:	1880

Handling Characteristics:

Working Life: 2 Hours

Minimum Cure Schedule:

@100°C	15 Minutes
@120°C	10 Minutes
@150°C	5 Minutes

Application Directions:

Bi-pack Packages: Safely remove the divider clip from the package. Knead the package (multiple passes over the edge of a table works well) until a uniform color is achieved and the material is thoroughly mixed. Ensure all material from the corners of the bi-pack are mixed in. Cut open end of package to dispense.

Storage:

Two component epoxy resin systems should be stored at room temperature, between 65°F and 85°F. Refrigeration is not recommended. Most two-component epoxy resin systems are naturally susceptible to crystallization, especially when stored at temperatures below the recommended storage temperatures. Do not store epoxy materials near sources of heat. All materials should be kept in the original packaging to prevent foreign matter contamination and moisture entry.

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Contact the professionals at Fiber Optic Center for a quote or to get more details.

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Product specifications and data are
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