



Manufacturer:
ÅngströmBond

Product Name:
ÅngströmBond AB9123 Heat Cure Epoxy (2.5G)

Manufacturer Part Number:
AB9123-2.5G

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ADVANCED POLYMERS FOR HIGH TECH APPLICATIONS

Adhesives

ÅNGSTRÖMBOND® 9123
HIGH TEMPERATURE FIBER OPTIC EPOXY

Description:

ÅNGSTRÖMBOND® 9123 is a very fast curing, high temperature optical connector adhesive. This low viscosity system produces a very high strength bond for glass, metal, ceramics and most plastics. This epoxy utilizes the most popular chemistries used for terminating connectors. Its very high glass transition temperature allows it to pass the most stringent pistoning specifications. It has excellent temperature cycling capabilities and will withstand high humidity environments.

Typical Physical Properties:

Color:	
Mixed:	straw/pale yellow
Cured:	reddish/amber
Specific Gravity, g/cc:	1.2
Mixed Viscosity @ 25°C, cps:	2000
Hardness, Shore D:	87
Mix Ratio by Weight,	
Resin to Hardener:	100/10
Dielectric Strength, (Volts/mil):	> 400
Solids Content, %:	100
Lap Shear Strength, psi (Al/Al):	2900
Glass Transition, °C:	120
Service Temperature Range, °C:	-60 to 175

Handling Characteristics:

Working Life:	3 – 4 Hours
Minimum Cure Schedule, by DSC:	
@100°C	5 Minutes
@120°C	2 Minutes
@150°C	1 Minute

Cure schedules can vary slightly with different applications. Please use these numbers as a basis to develop a schedule suitable for the application.

Application Directions:

Safely remove divider from package. Knead package vigorously until uniform color is achieved and material is thoroughly mixed. Cut open end of package and dispense.

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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 subject to change without notice.