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Manufacturer:
ÅngströmBond®

Product Name:
ÅngströmBond® AB9113SC Epoxy, Room Temperature & Heat Cure (2.5g)

Manufacturer Part Number:
AB9113SC-2.5G

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ADVANCED POLYMERS FOR HIGH TECH APPLICATIONS

Adhesives

ÅNGSTRÖMBOND® 9113 SC
Impact Absorbing Fiber Optic Epoxy

Description:

ÅNGSTRÖMBOND® 9113SC is a blue optical connector adhesive based on one of the most popular chemistries used for terminating connectors. This low viscosity system is designed to bond glass to metal, ceramic or plastic. It can be room temperature or heat cured to allow flexible processing times. It is a 100% solid epoxy that can be used for potting and sealing optical components where good impact, moisture and chemical resistance are desired.

Typical Physical Properties:

Color Mixed:	Dark blue
Specific Gravity, g/cc:	1.12-1.20
Viscosity @ 25°C, cps:	1800-2100
Service Temperature Range, °C:	-65 to 125
Glass Transition, °C:	<116°C
Lap Shear Strength, psi (Al to Al)	700-1500
Hardness, Shore D:	78-83
Dielectric Strength:	>400
Solids Content, %:	100

Handling Characteristics:

Working Life:	
For fiberoptic terminations	20-30 minutes
For general bonding and casting	30-60 minutes

Mix Ratio by Weight:	
Resin to Hardener:	100/30

Minimum Cure Schedule:	
@25°C	18 Hours
@65°C	1 Hour
@90°C	15 Minutes
@100°C	10 Minutes
@120°C	5 Minutes

Higher temperature curing for longer time will result in higher Glass Transition values.

Higher temperature curing for longer time will result in higher Lap Shear Strength values.

Application Directions:

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