



Manufacturer:
ÅngströmBond

Product Name:
ÅngströmBond AB9113SC Room Temp Cure Epoxy (2.5G)

Manufacturer Part Number:
AB9113SC-2.5G

▶ [Click here for more details on the ÅngströmBond AB9113SC Room Temp Cure Epoxy \(2.5G\)](#)



Adhesives

Advanced Polymers for High Tech Applications

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.

ÅNGSTRÖMBOND® is a REGISTERED TRADEMARK of FIBER OPTIC CENTER, INC., NEW BEDFORD MA, USA

Fiber Optic Center™, Inc. MAKES NO EXPRESS OR IMPLIED WARRANTIES OF MERCHANTABILITY, FITNESS OR OTHERWISE, with respect to its products. In addition, while the information herein is believed to be reliable, no warranty is expressed or implied regarding the accuracy of the data or the results to be obtained from the use thereof. All recommendations or suggestions for use are made without guarantee -- inasmuch as conditions of use are beyond our control. The properties given are typical values and are not intended for use in preparing specifications. Users should make their own test to determine the suitability of this product for their own purposes. Notice to buyers: These parameters are typical properties, obtained by research and are believed to be accurate and reliable but are presented without guarantee, warranty or responsibility of any kind, expressed or implied.

Rev. F 1/2019

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

focenter.com • 508-992-6464 | (800) 473-4237 • sales@focenter.com

23 Centre Street • New Bedford, MA 02740 USA

Product specifications and data are subject to change without notice.