



Manufacturer:
ÅngströmBond®

Product Name:
ÅngströmBond® AB9110LV Clear Epoxy for PM and POF fiber,
Room Temperature & Heat Cure (8oz)

Manufacturer Part Number:
AB9110LV-8OZ

▶ Click here for more details on the ÅngströmBond® AB9110LV Clear Epoxy for PM and POF fiber, Room Temperature & Heat Cure (8oz)

ÅngströmBond®

Adhesives

Advanced Polyrres for High Tech Applications

ÅngströmBond® 9110LV

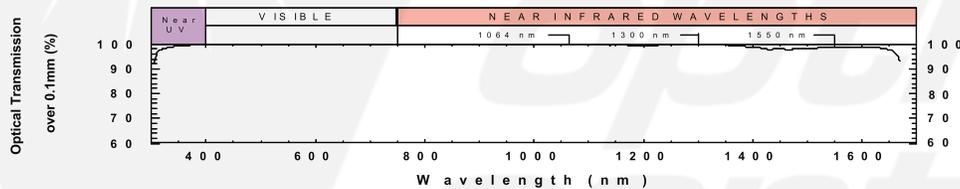
Versatile Two-Component Epoxy Adhesive

Description

ÅngströmBond® 9110LV is a crystal clear, low viscosity epoxy recommended for industrial adhesive, small potting and laminating applications where structural, mechanical and electrical properties are required. It's low stress makes it the right choice for bonding PM fibers and Plastic Optical fibers (POF). It can be used for cryogenic applications down to 4°K and is the perfect choice for temperature cycling when bonding dissimilar substrates.

This two-part adhesive exhibits good wetting, cures at room temperature and develops strong, low shrinkage bonds to most materials including optical fibers, glass ceramics, most metals and many rigid plastics. ÅngströmBond® 9110LV is a durable electrical insulator with good physical properties, plus resistance to water, weather, ozone and most chemicals.

Optical Absorption vs. Wavelength
ÅngströmBond® Optical Epoxy
AB9110LV Lot# SF035945



Physical Properties

Color:	Clear or Blue
Mixed Viscosity @ 25°C, cps:	500
Specific Gravity:	1.15
Glass Transition, °C:	83
Tensile Strength, psi:	7,200
Hardness, Shore D:	79
Dielectric Strength, Volts/Mil:	> 400
Coefficient of Thermal Expansions, cm/cm:	54 x 10 ⁻⁶
Operating Temperature Range, °C:	-270 to 125
Index of Refraction:	1.564

Handling Characteristics

Mix-Ratio by Weight Resin/Hardener:	100/30
Working time, Small Mass:	1 Hour
Cure Schedule	
- 25°C:	- 18 Hours
- 65°C:	- 1 Hr
- 90°C:	- 15 minutes

note: when exceptionally low shrinkage is required, a cure of 35 to 40°C is recommended for 4-6 hours

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 suggestion 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.

Rev.D 12/2011

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. FOC last update 2/7/2026.