



Learn More



**Manufacturer:**  
ÅngströmBond®

**Product Name:**  
ÅngströmBond® AB9061 High Power Laser Adhesive, UV Cure (3cc Syringe)

**Manufacturer Part Number:**  
AB9061-3CC

▶ Click here for more details on the ÅngströmBond® AB9061 High Power Laser Adhesive, UV Cure (3cc Syringe)



ADVANCED POLYMERS FOR HIGH TECH APPLICATIONS

ADHESIVES

**ÅNGSTROMBOND® AB9061 (FORMERLY EX1098)**  
**UV CURING, LENS BONDING AND LASER MATERIAL**

**Description:**

ÅNGSTROMBOND® AB9061 is a rigid, optically clear material designed for bonding lenses and optical devices. It has successfully been used in high power applications where it is directly in the path of laser energy. This high viscosity polymer has good adhesion to glass and good release from metal molds. It is an excellent choice for replication of plastic lenses.

**Handling Characteristics:**

**Cure Schedule:**

100 mW/cm<sup>2</sup> - 5-20 sec @300 to 450 nm

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

**Typical Physical Properties:**

Viscosity @ 25°C, cps:	9,000
Hardness, Shore D	87
Cure shrinkage, %	<0.3
Glass Transition Temp, °C	109
Coeff. Of Thermal Expansion /°C:	
Below Tg (x10 <sup>-6</sup> )	37
Above Tg (x10 <sup>-6</sup> )	71
Elongation, %	4.6
Modulus, MPa	2100
Operating Temperature, °C	-40 to 140
Degradation Temperature, °C:	>340
Refractive Index	
@589nm	1.567
@1310nm	1.552
@1550 nm	1.548

**Storage Conditions:**

Store in cool dry environment away from light

ÅNGSTROMBOND® 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.

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

[focenter.com](http://focenter.com) • 508-992-6464 | (800) 473-4237 • [sales@focenter.com](mailto:sales@focenter.com)

23 Centre Street • New Bedford, MA 02740 USA

Product specifications and data are  
subject to change without notice.