



Manufacturer:
ÅngströmBond®

Product Name:
ÅngströmBond® AB9028 High Tg Adhesive, UV Cure (3cc Syringe)

Manufacturer Part Number:
AB9028-3CC

▶ [Click here for more details on the ÅngströmBond AB9028 High Tg Adhesive, UV Cure \(3cc Syringe\)](#)



ADVANCED POLYMERS FOR HIGH TECH APPLICATIONS

ADHESIVES

ÅNGSTRÖMBOND® AB9028 (FORMERLY EX1094)
High Tg, UV curing Adhesive

Description:

AB9028 is a UV cure adhesive with a very high Glass Transition Temperature. This epoxy based polymer has very low shrinkage making it an excellent choice for bonding optical fibers into V-grooves. It has superior adhesion to glass and metal making it ideal for high humidity environments and hermetic sealing applications.

Typical Physical Properties:

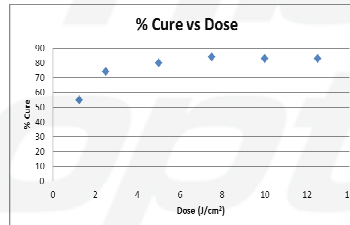
Viscosity @ 25°C, cps:	1,000
Hardness, Shore D	90
Cure shrinkage,%	<0.5
Elongation, %	4
Modulus, MPa	245,000
Glass Transition Temp, °C	155
Coeff. Of Thermal Expansion /°C:	
Below Tg (x10 ⁻⁶)	42
Above Tg(x10 ⁻⁶)	86
Outgassing, weight %, 125°C, 120Hr	0.1
Operating Temperature, °C	-55 to 200
Refractive Index	1.57

Handling Characteristics:

Cure Schedule:

150 mW/cm² - 30-50 sec @300 to 500 nm

Post cure at 80°C for 60min recommended



Data collected using 365nm LED lamp with measured intensity of 125mW/cm²

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

Storage Conditions:

Store in cool dry environment away from light.

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.

RevA 4/2007

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 3/11/2026.