



**Manufacturer:**  
ÅngströmBond

**Product Name:**  
ÅngströmBond AB9028 High Tg UV Cure Adhesive (3cc)

**Manufacturer Part Number:**  
AB9028-3CC

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ADVANCED POLYMERS FOR HIGH TECH APPLICATIONS

ADHESIVES

ÅNGSTROMBOND® 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:**

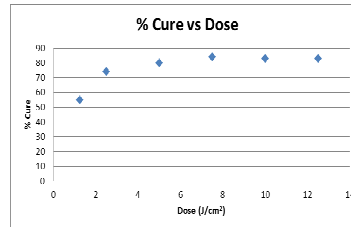
Viscosity @ 25°C, cps:	1,000
Hardness, Shore D	90
Cure shrinkage,%	<0.5
Elongation, %	4
Modulus, MPa	245,000
Glass Transition Temp, °C	15.5
Coeff. Of Thermal Expansion /°C:	
Below Tg (x10 <sup>-6</sup> )	42
Above Tg(x10 <sup>-6</sup> )	86
Outgassing, weight %, 125°C, 120Hr	0.1
Operating Temperature, °C	-55 to 200
Refractive Index	1.57

**Handling Characteristics:**

Cure Schedule:

150 mW/cm<sup>2</sup> - 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/cm<sup>2</sup>

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.

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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.