



**Manufacturer:**  
ÅngströmBond

**Product Name:**  
ÅngströmBond AB9028MV High Tg UV Cure Adhesive (3CC)

**Manufacturer Part Number:**  
AB9028MV-3CCM

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Advanced Polymers for High Tech Applications

Adhesives

**ÅNGSTRÖMBOND® AB9028MV (FORMERLY EX1094MV)**  
**High Tg, UV curing Adhesive**

**Description:**

AB9028MV is a medium viscosity 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.

**Handling Characteristics:**

**Cure Schedule:**

150 mW/cm<sup>2</sup> - 30-50 sec @300 to 500 nm

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

**Typical Physical Properties:**

Viscosity @ 25°C, cps:	4,000
Hardness, Shore D	95
Cure shrinkage,%	<0.2
Elongation, %	4
Modulus, MPa	340,000
Glass Transition Temp, °C	170
Coeff. Of Thermal Expansion /°C:	
Below Tg (x10 <sup>-6</sup> )	40
Above Tg(x10 <sup>-6</sup> )	82
Outgassing, weight %, 125°C, 120Hr	0.1
Operating Temperature, °C	-55 to 200
Refractive Index	1.578

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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.*