Manufacturer:
ÅngströmBond

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

Manufacturer Part Number:
AB9028-3CC

ÅNGSTRÖMBOND® Adhesives

Advanced Polymers for High Tech Applications

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:

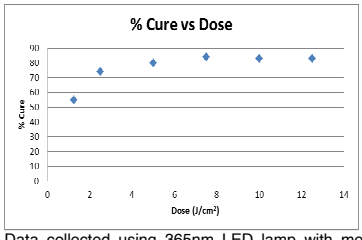
Viscosity @ 25℃, cps:	1,000
Hardness, Shore D	90
Cure shrinkage,%	<0.5
Elongation, %	4
Modulus, MPa	245,000
Glass Transition Temp, ℃	155
Coeff. Of Thermal Expansion /℃:	
Below Tg ($x10^{-6}$)	42
Above Tg($x10^{-6}$)	86
Outgassing, weight %, 125℃, 120Hr	0.1
Operating Temperature, ℃	-55 t o 200
Refractive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

Handling Characteristics:

Cure Schedule:

150 mW/cm^2 - 30-50 sec @300 to 500 nm

Post cure at 80℃ for 60min recommended



Data collected using 365nm LED lamp with measured intensity of 125mW/cm^2

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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