



Manufacturer:
ÅngströmBond®

Product Name:
ÅngströmBond® AB9047 Optical Adhesive, UV Cure (3cc Syringe)

Manufacturer Part Number:
AB9047-3CC

▶ [Click here for more details on the ÅngströmBond® AB9047 Optical Adhesive, UV Cure \(3cc Syringe\)](#)

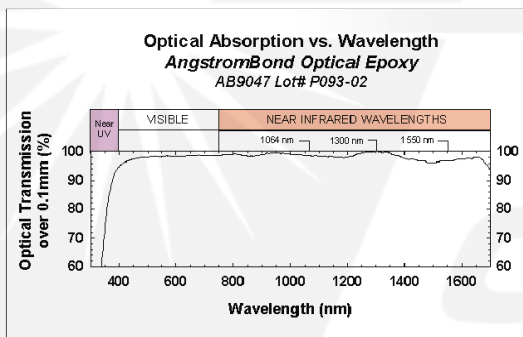
ÅngströmBond®

Adhesives

Advanced Polymers for High Tech Applications

ÅngströmBond® AB9047 Low stress, UV cured Optical Adhesive

ÅngströmBond® AB9047 is a fast UV curing adhesive designed for optic applications where low shrinkage, low stress and high bond strength are required. It can be used in high humidity and thermal cycling environments. This exceptional adhesive is wavelength independent and will cure with any UV bulb. It is a low viscosity system that bonds well to polycarbonate, ABS, glass and a wide variety of other substrates



Handling Characteristics:

Cure time:

150-300 mW/cm² - 1-100 sec. @ 300-420nm

note: Cure schedules can vary slightly with different applications. Speed of cure depends upon thickness and light intensity. Please use these numbers as a basis to develop a schedule suitable for the application.

Typical Properties:

Color:	Clear, pale yellow/green
Specific gravity	1.01
Viscosity, cps:	2500
Hardness, Shore D:	76
Operating Temp, °C	-60 to 120
Glass Transition, °C	10
Cure shrinkage, %	>1.0

Coefficient of Thermal Expansion:

Below Tg, ppm/°C	123
Above Tg, ppm/°C	165

Index of Refraction:

1.550 @ 411nm
1.531 @ 589nm
1.523 @ 833nm
1.518 @ 1306nm
1.516 @ 1550nm

Storage and Shelf Life:

ÅngströmBond® AB9047 is a room temperature stable system. However, it requires an oxygen/air environment to maintain stability during storage. Do not purge containers with dry nitrogen or argon. Leave an air gap of approximately 15% to ensure maximum stability.

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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. FOC last update 3/3/2026.