

**Manufacturer:**

ÅngströmBond

**Product Name:**ÅngströmBond® AB9018-1.42 Low Refractive Index Adhesive,  
UV Cure (3cc Syringe)**Manufacturer Part Number:**

AB9018-1.42-3CC

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# ÅngströmBond®

Adhesives

Advanced Polymers for High Tech Applications

## ÅngströmBond® AB9018

Low Refractive Index adhesives

ÅngströmBond® AB9018 is a series of refractive index matched adhesives that can be used for bonding glass, ceramics and various plastics.

### Typical Properties

	1.38	1.42	1.62
Refractive Index@ 589nm	1.38	1.42	1.62
Viscosity @ 25°C, cps	75	50	120
Hardness, Shore D	35	40	50
Operating Temp, °C	-----	-20 to 120	-----
% Transmission @400nm	>99%	>98%	>90%
@550nm	>99%	>99%	>96%
@810nm	>99%	>99%	>97%
@1550nm	>99%	>99%	>99%

### Handling Characteristics

**Cure time:** 100-300 mW/cm<sup>2</sup> - 15sec - 5min @320-390nm

**note:** Curing should be done in an oxygen free environment. The cure schedules will increase with increase thickness, lower UV light intensity and the presence of oxygen and water.

### Storage and Shelf Life

Store in a cool, dark place when not in use.. Do not place in view of UV light source or sunlight. Material may polymerize upon exposure to ambient light

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**Contact the professionals at Fiber Optic Center for a quote or to get more details.**

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