

**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

|                         | <u>1.38</u> | <u>1.42</u> | <u>1.62</u> |
|-------------------------|-------------|-------------|-------------|
| 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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*Product specifications and data are  
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