

**Manufacturer:**

ÅngströmBond

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

AB9018-1.42-3CCA

[Learn More](#)

▶ [Click here for more details on the ÅngströmBond® AB9018-1.42 Low Refractive Index Adhesive, UV Cure \(3cc Automatic Syringe\)](#)

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/cm² - 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

ÅngströmBond® is a registered trademark of Fiber Optic Center, Inc., New Bedford MA, USA

Fiber Optic Center™, Inc. MAKES NO EXPRESS OR IMPLIED WARRANTIES OF MERCHANTABILITY, FITNESS OR OTHERWISE, with respect to its products. In addition, while the information herein is believed to be reliable, no warranty is expressed or implied regarding the accuracy of the data or the results to be obtained from the use thereof. All recommendations or suggestion for use are made without guarantee -- inasmuch as conditions of use are beyond our control. The properties given are typical values, and are not intended for use in preparing specifications. Users should make their own test to determine the suitability of this product for their own purposes.

Rev. A 12/2012

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

focenter.com • 508-992-6464 | (800) 473-4237 • sales@focenter.com

23 Centre Street • New Bedford, MA 02740 USA

Product specifications and data are subject to change without notice. FOC last update 1/12/2026.