

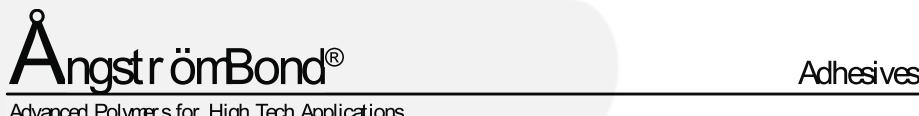
[Learn More](#)**Manufacturer:**

ÅngströmBond

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

AB9018-1.42-3CCA

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

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 @550nm @810nm @1550nm	>99% >99% >99% >99%	>98% >99% >99% >99%
			>90% >96% >97% >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

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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 1/12/2026.