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Manufacturer:
ÅngströmBond®

Product Name:
ÅngströmBond® AB9070 High Refractive Index Adhesive, UV Cure (3cc Syringe)

Manufacturer Part Number:
AB9070-3CC

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Adhesives

Advanced Polymers for High Tech Applications

ÅNGSTRÖMBOND® AB9070
High Refractive Index Adhesive

ÅNGSTRÖMBOND® AB9070 is a high refractive index matched adhesive that is recommended for bonding glass to glass and is good for polycarbonate. This adhesive is very rigid when fully cured.

Typical Properties:

Refractive Index	1.70
Color	Clear
Viscosity @ 25°C, cps	4800
Elongation at Failure	1.3%
Modulus of Elasticity (psi)	863
Tensile Strength (psi)	90,200
Hardness, Shore D	75
Operating Temp, °C	-15 to 100

% Optical Transmission:

@ 350nm	57.7%
@ 400nm	81.6%
@ 450nm	86.4%
@ 500nm	88.2%
@ 550nm	88.9%
@ 600-2000nm	90.0%

Full Cure: requires 6 joules/cm²

Cure with UV light: 315nm-395nm with peak absorption at 365nm.

Cure with Visible light: 400nm-420nm.

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

Storage and Shelf Life:

Store in a cool, dark place (-5-22°C) when not in use. Do not place in view of UV light source or sunlight.

Material may polymerize upon exposure to ambient light. If refrigerated, allow the adhesive to come to room temperature before using.

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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 1/15/2026.