



Manufacturer:
ÅngströmBond

Product Name:
ÅngströmBond® AB9190 Low Viscosity Clear Epoxy,
Room Temperature Cure (8oz)

Manufacturer Part Number:
AB9190-8OZ

▶ [Click here for more details on the ÅngströmBond® AB9190 Low Viscosity Clear Epoxy, Room Temperature Cure \(8oz\)](#)

ÅngströmBond®

Adhesives

The only adhesive line developed exclusively for fiber optics

ÅngströmBond® 9190
Low Viscosity, Rigid Epoxy System

Description:

ÅngströmBond® 9190 is a very low viscosity, rigid epoxy system specially designed for optical applications requiring a high strength adhesive with very low shrinkage. This clear adhesive exhibits strong bonds to glass, silica, ceramic, metals and engineered plastics. AB9190 can be applied with bond line thickness of 1mil or below. It is also ideal for high precision alignment requirements where low stress is essential.

Typical Physical Properties:

Color Mixed:	Clear
Specific Gravity, g/cc:	1.10
Mixed Viscosity @ 25°C, cps:	150
Service Temperature Range, °C:	-60 to 120
Mix Ratio by weight Resin/Hardener	100/30
Glass Transition, °C:	45
Hardness, Shore D:	82
Lap Shear Strength, psi:	2900
Moisture Absorption, %	0.1

Handling Characteristics:

Working Life:	2 – 3 Hours
Minimum Cure Schedule:	
@25°C	18 Hours
@65°C	1 - 2 Hours
@90°C	20 Minutes

Application Directions:

Safely remove divider from package. Knead package vigorously until uniform color is achieved and material is thoroughly mixed. Cut open end of package and dispense.

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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 2/7/2026.