



**Manufacturer:**  
ÅngströmBond®

**Product Name:**  
ÅngströmBond® AB9590 Thermally Conductive Black Epoxy,  
Room Temperature Cure (2.5g)

**Manufacturer Part Number:**  
AB9590-2.5G

▶ [Click here for more details on the ÅngströmBond® AB9590 Thermally Conductive Black Epoxy, Room Temperature Cure \(2.5g\)](#)

# ÅngströmBond®

Adhesives

The only adhesive line developed exclusively for fiber optics

## ÅngströmBond® AB9590 Flexible potting/bonding compound

### Description:

ÅngströmBond® AB9590 is a two component, thermally conductive, high performance epoxy adhesive and potting compound. This room temperature curing adhesive is designed for use in applications that require a flexible material for sensitive or fragile components or fine electrical wires. AB9590 has a low mixed viscosity for ease of potting or brushing.

### Handling Characteristics:

Working time @ 25°C (77F) - 45 minutes

#### Mix Ratio -

	RESIN	HARDENER
Color	Black	Lt. Yellow
Mix Ratio (by Volume)	3.67	1.00
Mix Ratio (by Weight)	100	15
Specific Gravity	1.56	1.01

#### Cure Schedule -

80% strength – 16 hours @ 25°C  
100% full strength – 112 hours @ 25°C

### Typical Physical Properties:

Color Mixed:	Black
Specific Gravity Mixed:	1.28
Viscosity, cps:	30,000
Hardness, Shore A:	<80
Operating Temp, °C	-20 to 100
Thermal conductivity, @85°C W/m <sup>2</sup> K	0.946

Filler may settle during shipping and storage. Thorough mixing of bulk containers is recommended before use.

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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.*