



**Manufacturer:**  
ÅngströmBond

**Product Name:**  
ÅngströmBond AB9001MT Room Temp Cure Epoxy (2.5G)

**Manufacturer Part Number:**  
AB9001MT-2.5G

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ADHESIVES

ADVANCED POLYMERS FOR HIGH TECH APPLICATIONS

**ÅNGSTRÖMBOND® 9001 MT**  
**Thixotropic Adhesive for MT, MTRJ and Specialty Connectors**

**Description:**

ÅNGSTRÖMBOND® 9001 MT is a two-part, room temperature curing adhesive designed specifically for use in MT and MTRJ connector assemblies. The blue color of this non-sagging thixotropic adhesive allows for easy polishing. It produces low stress during cure, thereby eliminating fiber cracking in both single and multimode connectors. ÅNGSTRÖMBOND® 9001 MT is an excellent choice sealing and encapsulating small units where a strong bond to glass, ceramic, plastics or metals are required. It offers high impact, moisture, and chemical resistance. Available in unpigmented version: AB9001MTUP.

**Typical Physical Properties:**

|   |               |
|---|---------------|
| AB9001MT Color Mixed:                       | Dark blue     |
| AB9001MTUP Color Mixed:                     | Clear         |
| Specific Gravity, g/cc:                     | 1.15          |
| Mixed Viscosity @ 25°C, cps:                | 50,000-55,000 |
| Service Temperature Range, °C:              | -65 to 130    |
| Glass Transition, °C:<br>(cured 90C/15 min) | 93            |
| Hardness, Shore D:                          | 78            |
| Mix Ratio by Weight,<br>Resin to Hardener:  | 100/30        |
| Dielectric Strength:                        | > 400         |
| Solids Content:                             | 100%          |
| Lap Shear Strength, psi:                    | 2950          |

**Handling Characteristics:**

|                        |               |
|------------------------|---------------|
| Working Life:          | 30-45 Minutes |
| Minimum Cure Schedule: |               |
| @25°C                  | 18 Hours      |
| @65°C                  | 1 Hour        |
| @90°C                  | 15 Minutes    |

Other intermediate cure schedules are possible depending upon user's application.

**Application Directions:**

Bi-pack Packages: Safely remove the divider clip from the package. Knead the package (multiple passes over the edge of a table works well) until a uniform color is achieved and the material is thoroughly mixed. Ensure all material from the corners of the bi-pack are mixed in. 25 passes over the edge of a table are recommended. Cut open end of package to dispense.

**De-airing:**

De-airing of mixing epoxy should be done to remove any entrapped air. Vacuum de-airing should be performed.

**Handling:**

To ensure better performance of the potted or encapsulated components, adequate cleaning of components should be performed to remove contamination such as dust, moisture, salt and oils that can cause poor adhesion.

**Storage:**

Two component epoxy resin systems should be stored between 65°F and 90°F. Refrigeration is not recommended. Most two-component epoxy resin systems are naturally susceptible to crystallization, especially when stored at temperatures below the recommended storage temperatures. Do not store epoxy materials near sources of heat. All materials should be kept in the original packaging to prevent foreign matter contamination and moisture entry.

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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.*