



## Epoxy, Urethane & Silicone Formulations

# 10-3012 EPOXY ADHESIVE

### DESCRIPTION:

10-3012 is a high strength, fast setting epoxy adhesive. This epoxy adhesive and potting compound is specially formulated for high clarity, good impact strength and water resistance.

### APPLICATIONS:

This outstanding adhesive is ideally suited for a wide range of jewelry, industrial, structural and electrical applications. This adhesive is an excellent choice for field repairs.

### FEATURES:

- \*High bond strength
- \*Good impact strength
- \*Room temperature cure
- \*High tensile strength
- \*Water and chemical resistant
- \*Convenient 1:1 mix ratio
- \*Fills gaps and voids
- \*Fast setting

### SPECIFICATIONS:

|                                 |               |
|---------------------------------|---------------|
| Color                           | Clear         |
| Mix ratio by volume             | 1:1           |
| Mixed viscosity                 | 5,000         |
| Working time                    | 10 minutes    |
| Functional cure                 | 2 hours       |
| Specific gravity, 25°C          | 1.10          |
| Tensile strength, @ 25°C        | 2,500         |
| Operating temperature range     | -40° to 250°F |
| Durometer, shore D              | 83            |
| Dielectric strength (volts/mil) | 600           |
| Compression strength, psi       | 11,000        |

### PREPARATION OF SURFACE:

10-3012 works best on clean surfaces. Substrates should be solvent-wiped, free of heavy deposits of grease, oil, dirt or other contaminants. Abrading or roughing the surfaces of metals will optimize bonding strength.

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**INSTRUCTIONS FOR USE:**

- 1) By weight, mix equal parts resin and hardener.
- 2) Apply mixed epoxy to one substrate in an even film or bread. Assemble with the matching part applying pressure to assure uniform contact.
- 3) Allow to cure for 2 hours before handling. Full bond strength is achieved within 16 hours.

**IMPORTANT:**

The information in this brochure is based on data obtained by our research and is considered accurate. However, no warranty is expressed or implied regarding the accuracy of this data, the results to be obtained from the use thereof or that any such use will not infringe any patent. This information is furnished upon the condition that the person receiving it shall make his own tests to determine the suitability thereof for his particular purpose.

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