

# 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
- Water and chemical resistant
- Good impact strength
- Convenient 1:1 mix ratio
- Room temperature cure
- 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 lap shear, @ 25°C, psi	2,500
Operating temperature range	-40° to 250°F
Durometer, Shore D	83
Dielectric strength (V/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.



### **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.

**Curing masses greater than 20 grams is not recommended due to the possibility of an exothermic reaction.**

### **IMPORTANT:**

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