



# PRODUCT INFORMATION

**HIGH TECHNOLOGY MATERIALS**

## MERECO XLN-489

### **LOW VISCOSITY, NON SETTLING, EPOXY RESIN CASTING SYSTEM FOR FAST GEL ROOM TEMPERATURE CURE**

**MERECO XLN-489** is a filled, 100% solids epoxy resin casting system for general purpose casting and encapsulation. The unique proprietary filler system provides improved thermal transfer, lower shrinkage and shock resistance. The silicate filler has been intimately suspended to retard settling by intrinsic dispersion (developed by MERECO for micro-module encapsulation--see **MERECO 4583**) and the ultimate suspension of filler provides uniform properties throughout the mass of cured resin.

**MERECO XLN-489** is available in standard Metachrome colors. The handling properties of **MERECO XLN-489** may be varied by selection of other curing agents.

**MERECO XLN-489** is specifically recommended for encapsulation of coils, chokes, transformers, solenoids, resistors, logic modules, and similar applications where outstanding environmental and stress protection of circuit elements is mandatory.

#### OUTSTANDING FEATURES OF MERECO XLN-489

- Viscosity low enough to provide bubble free pouring.
- Filler intimately suspended by intrinsic dispersion process.
- Non-settling filler - no hard residues, no excessive stirring.
- Non-settling filler provides uniform properties throughout the cured mass.
- Gels, hardens and cures at room temperature.

#### DIRECTIONS FOR USE

1. Weigh into separate containers 100 parts of **MERECO XLN-489** and 10 parts of **HARDENER 25**.
2. Activate the **MERECO XLN-489** by adding the catalyst slowly, stirring constantly to insure uniform mixing.
3. Allow entrapped air to rise or use vacuum to de-air mixture. Pour as required into forms, molds or encapsulation shells. (To insure free release from molds, use **METAPART 7521** silicone liquid or **METAPART 7582** fluorotelomer.

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