

# **Leepoxy Plastics, Inc.**

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## **AUTOMOTIVE MODULE ENCAPSULANTS**

### **TWO-PART HEAT CURED EPOXIES**

#### **LEECAST E19031-2 Class 135 with silica fill Unfilled Two-Part Flexible Epoxy Encapsulant**

For potting automotive “under the hood” and other high-temp electronic modules utilizing high purity silica as a “user added” filler component. Two-part, 1:1 by volume epoxy used in a vacuum impregnation through silica process for potting General Motors electronic control modules. Low viscosity and hours-long pot life at room temperature allows pre-heating mixed epoxy for extremely rapid silica penetration. Cure at 125°C for 2 hours provides excellent electrical and physical properties for automotive and non-automotive applications subject to 135°C operating temperatures.

#### **LEECAST E36235-1 Class 187 Unfilled Two-Part High Temperature Epoxy**

A two-part, low viscosity, hours-long pot life epoxy for potting, casting, or encapsulating applications. Maintains maximum integrity and electrical properties while subject to continuous operating temperatures up to 187°C (369°F). Filled versions have increased viscosity but better heat resistance.

### **TWO-PART URETHANE**

#### **LEECAST U32129-1 Class 135 Filled Two-Part Shore 55D Flame Retardant**

A two-part, Shore 55D urethane with medium viscosity, 4:1 mix by weight, excellent thermal conductivity and resistance. Low exotherm and low shrinkage during cure, Fast potted part turn-around/quick de-mold cycle. For potting electrical components in UL-listed consumer appliances and automotive “under the hood” where flame retardance, hydrolytic stability, reversion resistance, and electrical and physical performance are critical.