

Leepoxy Plastics, Inc.

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TECHNICAL BULLETIN LEECAST E19031-2

Description

LEECAST E19031-2 is a proprietary two-part epoxy formulated specifically for potting electronic control modules for automotive applications. This system was designed to encapsulate electrical components, utilizing dry high-purity silica as a “user added” filler medium. Formulated for high production automotive type applications, LEECAST E19031-2 features extremely rapid sand penetration, excellent cured properties at “under the hood” temperatures, and a simple 1:1 mix ratio by volume.

Suggested cure schedule is 2 hours @ 125°C though individual product configurations may require adjustment of this schedule.

Special care should be taken to prevent moisture contamination of this epoxy, Part B in particular.

| Typical Properties | | |
|----------------------|-------------|--------------|
| | Part A | Part B |
| Appearance | Blue liquid | Amber liquid |
| Mix ratio, by volume | 100 | 100 |
| , by weight | 100 | 96 |
| Viscosity, 25°C, cps | 640 | 2,450 |
| Shelf Life, months | 12 | 12 |
| Density, lbs/gal | 9.0 | 8.0 |

| Typical Handling Properties | |
|-------------------------------|----|
| Gel Time, 100°C, 10 g, min. | 36 |
| Work Life, 25°C, 5-gal, hours | 8 |
| Cure Time, 125°C, hours | 2 |
| Hardness, Shore A | 35 |

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