# **TECHNICAL BULLETIN**



# LEECAST 37-90 MOTOR LEAD WIRE ENCAPSULANT

### **Description**

LEECAST 37-90 is a proprietary anhydride cured epoxy system. LEECAST 37-90 is light in color and may be used with features a convenient 1:1 by volume mix ratio. Electrical properties are excellent. Mechanical and thermal properties are also very good - comparable with resins cured with amine hardeners.

TYPICAL PROPERTIES			
	Part A	Part B	
Appearance	Clear liquid	Amber liquid	
Viscosity, 25°C, cps.	12,500	200	
Density, lbs/gal	9.7	10.0	
Specific Gravity, g/ml	1.2	1.2	
Shelf Life, months	12	12	

#### **Directions for Use**

Accurately weigh both components then mix well. Parts to be encapsulated should be clean and free of all grease and oils. All surfaces should also be dry. A typical cure schedule is 2 hours at 90°C followed by 3 hours at 150°C.

TYPCIAL HANDLING PROPERTIES			
	Part A	Part B	
Mix Ratio, by volume	100	100	
Mix Ratio, by weight	100	100	
Pot Life, 25°C, 100 g, hours	> 8		
Recommended Cure Cycle,	90°C for 2 hours plus 3 hours at 150°C		

#### **Storage and Handling**

LEECAST 37-90 should be stored in closed containers at temperatures above  $60^{\circ}$ F (15.5°C) to prevent crystallization. Handle in well ventilated areas. Keep containers closed when not in use to prevent possible moisture contamination.

TYPICAL PHYSICAL PROPERTIES		
Hardness, 25°C, Shore D	85	
Tensile Strength, psi	12,000	
Tensile Elongation, %	5	
Glass Transition Temperature, °C	135	

### **Safety**

Avoid skin contact when using this product. LEECAST 37-90 may cause skin sensitization or allergic reactions. For specific information, refer to the product Safety Data Sheet.

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