



3706 W. Ferguson Rd., Fort Wayne, IN 46809
 Phone: (260) 747-7411 Fax: (260) 747-7413

**TECHNICAL BULLETIN
 LEECAST 20-73**

Description

LEECAST 20-73 is a two-part, reversion resistant, electrical grade room temperature curing potting compound. It is a unique urethane system that contains neither MOCA nor TDI. LEECAST 20-73 is designed to provide excellent dielectric properties over a wide temperature range. It has good low temperature flexibility and is ideally suited for protecting pressure sensitive glass diodes and other electronic devices. Its low viscosity and long pot life make it attractive for penetrating complex modules and for the aggregate casting method of encapsulation and potting. LEECAST 20-73 also features excellent reversion resistance or hydrolytic stability.

A typical cure cycle is overnight at 25°C plus 2 hours at 80°C or 72 hours at 25°C.

TYPICAL PROPERTIES		
	Part A	Part B
Appearance	Pale yellow liquid	Brown liquid
Viscosity, 25°C, cps.	2,700	50
Density, lbs/gal	7.6	10.0
Specific Gravity, g/ml	0.9	1.2
Shelf Life, months	12	12

TYPICAL HANDLING PROPERTIES		
	Part A	Part B
Mix Ratio, by volume	100	19
Mix Ratio, by weight	100	25
Gel Time, 25°C, 100 g, min.	99	
Cure Time, 25°C, hours	72	
Hardness, 25°C, Shore A	45	

Safety

LEECAST 20-73 Part B is a super cooled liquid and may crystallize. Store at 75–95°F. If crystallization occurs, heat to 120°F in a vented oven. Do not overheat. Avoid skin contact and do not inhale vapors. Always use in a well-ventilated area.

Note: Leepoxy can formulate all of its two-part urethane encapsulants to provide alternative pot life/cure time combinations without affecting handling or performance properties.

Handling and Mixing

LEECAST 20-73 may be mixed and poured at room temperature without de-airing. Air bubbles mixed into the system will rise out of the liquid before gellation.

The Information contained herein is correct to the best of our knowledge. The recommendations or suggestions contained in this bulletin are made without guarantee or representation as to results. We suggest that you evaluate these recommendations and suggestions in your own laboratory prior to use. Our responsibility for claims arising from breach of warranty, negligence or otherwise is limited to the purchase price of the material. Freedom to use any patent owned by Leepoxy Plastics, Inc. or others is not to be inferred from any statement contained herein. Leepoxy Plastics, Inc May 2010