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**LEECAST 30-125  
 UV-RESISTANT OUTDOOR ENCAPSULANT**

**Description**

LEECAST 30-125 is a two-component urethane that is mixed and poured at room temperature. LEECAST 30-125 develops full hardness after 24 hours at room temperature to provide an impact, UV and temperature resistant system.

**Safety**

LEECAST 30-125 is a urethane. Containers must be tightly closed to avoid contamination with moisture. Avoid skin contact with LEECAST 30-125 B which is an isocyanate. Although LEECAST 30-125 does not contain TDI or MOCA, it should be used in a well-ventilated room

**TYPICAL PROPERTIES**

	Part A	Part B
Appearance	Gray liquid	Brown liquid
Viscosity, 25°C, cps.	30,200	300
Density, lbs./gal.	14.0	10.0
Shelf Life, months	12	6

**TYPICAL PERFORMANCE**

Hardness, Shore D	90
Thermal Conductivity, cal/cm <sup>2</sup> /cm/°C/sec	9 x 10 <sup>-4</sup>
Water Absorption, 7 days at R.T., %	0.6
Weight loss, 7 days at 150°C, %	0.6

**Handling and Mixing**

Carefully mix and add the material taking time to scrape the side and bottom of the container. Entrapped air will rise from the mix before setting. Demold as soon as the material has set up. Full cured hardness is achieved after 24 hours at room temperature or 1 hour at 80°C

**TYPICAL HANDLING PROPERTIES**

	Part A	Part B
Mix Ratio, by weight	100	25
Mixed Color	Gray	
Pot Life, 25°C, minutes	15	
Gel Time, 25°C, minutes	20	
Cure Time, 25°C, hours	24	
Cure Time, 80°C, hours	1	

**TYPICAL ELECTRICAL PERFORMANCE**

Parameter	Temp (°C)	Value
Volume Resistivity, ohm-cm	25	1.5 x 10 <sup>14</sup>
	80	9.0 x 10 <sup>10</sup>
	100	8.5 x 10 <sup>10</sup>
Dissipation Factor, 100 Hz	25	0.014
	80	0.057
	100	0.055
Dielectric Constant, 100 Hz	25	5.20
	80	5.99
	100	6.00

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