

### DESCRIPTION

PC-50 is a versatile, two component liquid castable polyurethane elastomer. This material is ideal for high strength molds with low durometer and low residual surface tack. PC-50 creates durable and flexible molds or parts.

### FEATURES

- Insensitive to typical environmental moisture
- Low viscosity
- High strength and low durometer
- Low residual surface tack
- Tough with high tear strength
- Good flow into fine detail
- Convenient 1:1 mix by volume
- Good dimensional stability
- Insensitive to inhibition
- Good adhesion between pours
- Good grease and oil resistance

### WORKING PROPERTIES

Uncured	Test Methods (ASTM)	Value
Viscosity Part A at 72 F, cps	D-2392-71	1,000
Viscosity Part B at 72 F, cps	D-2392-71	1,200
Viscosity Mixed at 72 F, cps	D-2392-71	1,100
Mixed Ratio by Volume		100-A/100-B
Mixed Ratio by Weight		N/A
Weight per gallon, lbs		8.83
Cubic inches per pound		26.16

Cured	Test Methods (ASTM)	Value
Hardness – Shore A	D-2240-68	50
Tensile strength, psi	D-412-68	706
Elongation, %	D-412-68	390
Tear strength, psi	D-624 Die C	200
Shrinkage in inches	D-2566	0.0015
Color		Trans. Amber

Cure Schedule	Test Methods (ASTM)	Value
Pot Life	D-2471-71	8-10 min
Demold Time		2-4 hrs
Full Cure		24 hrs

### Suggested Uses

Molding, Casting, Potting, Encapsulating