

DESCRIPTION

PC-70 is a versatile, two component liquid castable polyurethane elastomer. PC-70 can be used for casting urethane parts or semi-flexible molds.

FEATURES

- Tough with high tear strength
- Good grease and oil resistance
- High elongation and tear strength
- Rapid room temperature cure
- Good dimensional stability
- Insensitivity to inhibition
- Convenient 2:1 mix by weight
- Rapid set and demold
- Insensitive to typical moisture

WORKING PROPERTIES

Uncured	Test Methods (ASTM)	Value
Viscosity Part A at 72 F, cps	D-2392-71	2,500
Viscosity Part B at 72 F, cps	D-2392-71	2,000
Viscosity Mixed at 72 F, cps	D-2392-71	2,200
Mixed Ratio by Volume		100-A/52.15-B
Mixed Ratio by Weight		100-A/50-B
Weight per gallon, lbs		8.90
Cubic inches per pound		26.67

Cured	Test Methods (ASTM)	Value
Hardness – Shore A	D-2240-68	70-73
Tensile strength, psi	D-412-68	2,300
Elongation, %	D-412-68	450
Tear strength, psi	D-624 Die C	175
Shrinkage in inches	D-2566	.0015
Color		Blue

Cure Schedule	Test Methods (ASTM)	Value
Pot Life	D-2471-71	5-7 min
Demold Time		1-2 hrs
Full Cure		24 hrs

Suggested Uses

Molding, Casting, Potting, Encapsulating