

DESCRIPTION

PC-20 is a versatile two component liquid castable polyurethane elastomer. This material is perfect for high strength molds with low durometer and low residual surface tack. PC-20 is ideal for very soft molded parts or as a mold for casting objects with heavy undercuts.

FEATURES

- Insensitive to typical environmental moisture
- Low viscosity
- High strength and low durometer
- Low residual surface tack
- Tough with high tear strength
- Convenient 1:1 mix by weight
- Good dimensional stability
- Insensitive to inhibition
- Good adhesion between pours

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		96-A/100-B
Mixed Ratio by Weight		100-A/100-B
Weight per gallon, lbs		8.96
Cubic inches per pound		25.78

Cured	Test Methods (ASTM)	Value
Hardness – Shore A	D-2240-68	20
Tensile strength, psi	D-412-68	549
Elongation, %	D-412-68	847
Tear strength, psi	D-624 Die C	125
Shrinkage in inches	D-2566	0.0015
Color		Light Pink

Cure Schedule	Test Methods (ASTM)	Value
Pot Life	D-2471-71	20 min
Demold Time		4-6 hrs
Full Cure		24 hrs

Suggested Uses

Molding, Casting, Potting, Encapsulating