

DESCRIPTION

PC-80R is a very low viscosity, rapid setting and rigid urethane compound. This system will cure to a hard, tough impact resistant casting. PC-80R is insensitive to moisture after cure and will readily bond to itself, when stage pours are required. The 1:1 by volume mix ratio makes for convenient hand or machine mix. PC-80R is recommended in applications where a “thermoplastic feel” is desired.

FEATURES

- Low viscosity
- High strength and durometer
- Convenient 1:1 mix by volume

WORKING PROPERTIES

Uncured	Test Methods (ASTM)	Value
Viscosity Part A at 72 F, cps	D-2392-71	50
Viscosity Part B at 72 F, cps	D-2392-71	150
Viscosity Mixed at 72 F, cps	D-2392-71	100
Mixed Ratio by Volume		100-A/100-B
Mixed Ratio by Weight		100-A/96-B
Weight per gallon, lbs		9.07
Cubic inches per pound		25.48

Cured	Test Methods (ASTM)	Value
Hardness –Shore D	D-2240-68	78
Tensile strength, psi	D-638	5,600
Elongation, %	D-638	3.5
Tear strength, psi	D-624 Die C	N/A
Shrinkage in inches	D-2566	0.0029
Color		White

Cure Schedule	Test Methods (ASTM)	Value
Pot Life	D-2471-71	2 min
Demold Time		15-20 min
Full Cure		24 hrs

Suggested Uses

Casting, Potting, Encapsulating