

DESCRIPTION

PC-420 is a rapid setting, non-brittle and rigid urethane designed to cure to a hard, tough and impact resistant casting. PC-420 is recommended where a “thermoplastic feel” and high strength is desired. A pigment can be added to PC-420 to achieve virtually any color.

FEATURES

- 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	700
Viscosity Part B at 72 F, cps	D-2392-71	900-1,500
Viscosity Mixed at 72 F, cps	D-2392-71	800
Mixed Ratio by Volume		100-A/100-B
Mixed Ratio by Weight		100-A/87-B
Weight per gallon, lbs		9.43
Cubic inches per pound		24.5

Cured	Test Methods (ASTM)	Value
Hardness – Shore D	D-2240-68	70
Tensile strength, psi	D-638	2,700
Elongation, %	D-638	N/A
Tear strength, psi	D-624 Die C	N/A
Shrinkage in inches	D-2566	0.00266
Color		Black

Cure Schedule	Test Methods (ASTM)	Value
Pot Life	D-2471-71	6–8 min
Demold Time		30 min
Full Cure		24 hrs

Suggested Uses

Casting, Potting, Encapsulating