

DESCRIPTION

PC-255 is a rigid urethane polymer specifically formulated for rapid production of prototype parts from low cost tooling. For best results, cast into a silicone rubber mold. Cured parts have the look and feel of a thermoplastic. The parts have high impact strength, thermal resistance and good dimensional stability. This system permits the demolding of parts in 45 to 60 minutes, depending on the configuration. PC-255 is best suited for use with meter-mix dispensing equipment.

FEATURES

- Convenient 1:1 by weight
- Quick demold
- Excellent dimensional stability
- High impact strength
- High heat deflection

WORKING PROPERTIES

Uncured	Test Methods (ASTM)	Value
Viscosity Part A at 72 F, cps	D-2392-71	200
Viscosity Part B at 72 F, cps	D-2392-71	2,000
Viscosity Mixed at 72 F, cps	D-2392-71	1,100
Mixed Ratio by Volume		85-A/100-B
Mixed Ratio by Weight		100-A/100-B
Weight per gallon, lbs		9.40
Cubic inches per pound		24.57

Cured	Test Methods (ASTM)	Value
Hardness – Shore D	D-2240-68	80
Tensile strength, psi	D-638	75-73
Elongation, %	D-638	7.25
Tear strength, psi	D-624 Die C	15.9
Shrinkage in inches	D-2566	.0029
Color		Tan

Cure Schedule	Test Methods (ASTM)	Value
Pot Life	D-2471-71	3-5 min
Demold Time		45-60 min
Full Cure		24 hrs

Suggested Uses

Prototype Parts, Potting, Encapsulating, Casting