

DESCRIPTION

PC-9040 is a very low viscosity, two-component urethane casting compound. When fully cured, this clear resin forms a flexible and absolutely clear part. PC-9040 reproduces realistic "Glass Like" appearance when molded in silicone rubber molds. PC-9040 can be used to manufacture "non yellowing" colored parts requiring ultraviolet stability. In addition, PC-9040 can be used as a deep dome coating for plastic or paper labels. Vacuum degassing is highly recommended to ensure maximum clarity.

FEATURES

- Extreme clarity
- Low viscosity
- Flexibility with high strength
- Non-yellowing / UV stable
- Rapid curing
- 1:1 by weight or volume

WORKING PROPERTIES

Uncured	Test Methods (ASTM)	Value
Viscosity Part A at 72 F, cps	D-2392-71	350
Viscosity Part B at 72 F, cps	D-2392-71	750
Viscosity Mixed at 72 F, cps	D-2392-71	500
Mixed Ratio by Volume		50-A/100-B
Mixed Ratio by Weight		50-A/100-B
Weight per gallon, lbs		9.16
Cubic inches per pound		25.22

Cured	Test Methods (ASTM)	Value
Hardness – Shore A	D-2240-68	40
Tensile strength, psi	D-412-68	N/A
Elongation, %	D-412-68	20
Tear strength, psi	D-624 Die C	N/A
Shrinkage in inches	D-2566	0.0015
Color		Optically Clear

Cure Schedule	Test Methods (ASTM)	Value
Pot Life	D-2471-71	45 min
Demold Time		4-6 hrs
Full Cure		24 hrs

Suggested Uses

Clear Casting, Domed Labels, Encapsulating