

DESCRIPTION

PC-770 GEL consists of two thin liquids. After mixing, PC-770 GEL immediately thickens to a pliable non-sag paste, which forms a high strength rigid bond. PC-770 GEL is especially well suited for forming rigid parts and molds. When fully cured, forming a “fiberglass like” polymer that is easily sanded or machined into final form. PC-770 GEL can also be used as a rigid Mother mold back-up for flexible molding compounds. PC-770 GEL can be used with expanded polystyrene foam as an adhesive or “hard” coating.

FEATURES

- Self-thickening
- Environmentally Safe
- Bonds to vertical surfaces and ceilings
- Insensitive to inhibition
- Tough with high tear strength
- Good adhesion between coats
- Long mold storage life
- Special colors available upon request (10 gallon minimum)
- User friendly
- Convenient 1:1 mix by volume
- Good grease and oil resistance
- Rigid, high compression

WORKING PROPERTIES

Uncured	Test Methods (ASTM)	Value
Viscosity Part A at 72 F, cps	D-2392-71	450
Viscosity Part B at 72 F, cps	D-2392-71	600
Viscosity Mixed at 72 F, cps	D-2392-71	100,000
Mixed Ratio by Volume		100-A/100-B
Mixed Ratio by Weight		N/A
Weight per gallon, lbs		9.56
Cubic inches per pound		24.26

Cured	Test Methods (ASTM)	Value
Hardness – Shore D	D-2240-68	75
Tensile strength, psi	D-412-68	N/A
Elongation, %	D-412-68	N/A
Tear strength, psi	D-624 Die C	N/A
Shrinkage in inches	D-2566	N/A
Color		Green

Cure Schedule	Test Methods (ASTM)	Value
Pot Life	D-2471-71	15 min
Demold Time		2-4 hrs
Full Cure		24 hrs

Suggested Uses

Backup Molds, Brush in part