

### DESCRIPTION

PC-85F is a versatile, two component liquid castable polyurethane elastomer. PC-85F combines high strength and durability with easy processing at room temperature. PC-85F can be used for casting urethane parts or semi-flexible molds.

### FEATURES

- Insensitive to typical environmental moisture
- Low viscosity
- High strength and durometer
- Tough with high tear strength
- Good flow into fine detail
- Convenient 2:1 mix ratio by volume
- Good dimensional stability
- Rapid set and demold
- Good grease and oil resistance

### WORKING PROPERTIES

| Uncured                       | Test Methods (ASTM) | Value      |
|-------------------------------|---------------------|------------|
| Viscosity Part A at 72 F, cps | D-2392-71           | 2,500      |
| Viscosity Part B at 72 F, cps | D-2392-71           | 2,000      |
| Viscosity Mixed at 72 F, cps  | D-2392-71           | 2,200      |
| Mixed Ratio by Volume         |                     | 100-A/50-B |
| Mixed Ratio by Weight         |                     | 100-A/48-B |
| Weight per gallon, lbs        |                     | 9.07       |
| Cubic inches per pound        |                     | 26         |

| Cured                 | Test Methods (ASTM) | Value  |
|-----------------------|---------------------|--------|
| Hardness – Shore A    | D-2240-68           | 80-85  |
| Tensile strength, psi | D-412-68            | 2,700  |
| Elongation, %         | D-412-68            | 375    |
| Tear strength, psi    | D-624 Die C         | 2,700  |
| Shrinkage in inches   | D-2566              | 0.0015 |
| Color                 |                     | White  |

| Cure Schedule | Test Methods (ASTM) | Value   |
|---------------|---------------------|---------|
| Pot Life      | D-2471-71           | 4-5 min |
| Demold Time   |                     | 45 min  |
| Full Cure     |                     | 24 hrs  |

### Suggested Uses

Molding, Casting, Potting, Encapsulating