



TC-882 A/B

RIGID 80 SHORE D URETHANE CASTING SYSTEM

PRODUCT DESCRIPTION:

TC-882 A/B produces a high impact rigid 80 Shore D material that is commonly used to make large computer housings, models of all kinds and artwork components. It provides a long working time of 30 minutes verses 15 minutes for TC-881 and 5 - 8 minutes with the TC-880. The three systems produce the same physical properties after curing, however, the TC-882 allows ample time for pouring larger parts.

PRODUCT HIGHLIGHTS:

- ✓ Convenient mixing ratio: 1 to 1 parts by weight
- ✓ Long working time: 30 minutes
- ✓ Low viscosity, flows easily
- ✓ Demold time: 16 - 24 hours at ambient temperature in a silicone rubber mold (1/8" thick section)
- ✓ No odor, low exotherm and will prolong the life of a silicone mold. Exudate free.

TYPICAL PRODUCT USES:

- ✓ Computer Housings
- ✓ Model of all kinds
- ✓ Artwork components
- ✓ Architectural models
- ✓ Gears, wheels, fans
- ✓ Transportation cases
- ✓ Miniatures, movie props, parts
- ✓ Simulating injection molded pieces

PHYSICAL PROPERTIES:

Hardness, Shore D ASTM D-2240.....	80 ± 2
Specific Gravity, (g/cc) cured ASTM D-792	1.12
Cubic Inches per Pound	24.8
Color/Appearance.....	Cream
Tensile Strength, (psi) ASTM D-638.....	5,500
Tensile Modulus, (psi) ASTM D-638.....	2.1x10 ⁵
Elongation, (%) ASTM D-638.....	15.5
Flexural Modulus, (psi) ASTM D-790	2.0x10 ⁵
Flexural Strength, (psi) ASTM D-790.....	7,100
Shrinkage, (in./in.) ASTM D-2566 (3/8" depth)	0.005
Izod Impact, (ft.-lb./in.) ASTM D-256	0.75
Compressive Strength, (psi) ASTM D-695	85,000

Note: Reported physical properties based on elevated temperature cured test specimens.

HANDLING PROPERTIES:

Mix Ratio (by weight):

