



RIGID FILLED & UNFILLED URETHANES

"Dedicated to QUALITY, SERVICE, SAFETY, and INNOVATION"

TC-881 A/B

RIGID 80 SHORE D URETHANE CASTING SYSTEM

PRODUCT HIGHLIGHTS:

- ✓ High impact rigid material
- ✓ Intermediate working time. Provides adequate time for medium to large pours.
- ✓ No odor, no exudates
- ✓ Will prolong the life of a silicone mold
- ✓ Easy to handle, 1 to 1 mix ratio by weight

PRODUCT DESCRIPTION:

TC-881 A/B produces a very 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 working time of 15 minutes.

TYPICAL PRODUCT USES:

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

PHYSICAL PROPERTIES:

Hardness, Shore D.....	80 ± 2
Specific Gravity (gm/cc) cured.....	1.12
Displacement (cu.in./lb.).....	24.8
Color.....	Cream
Tensile Strength (psi) ASTM D 638.....	5,500
Tensile Modulus (psi).....	2.1×10^5
Compressive stress, 10% strain, (psi).....	85,000
Elongation (%) ASTM D 638.....	15.5
Shrinkage (in./in.) ASTM D 2566.....	0.0015
Flexural Modulus, (psi) ASTM D-790.....	2.0×10^3
Flexural Strength (psi).....	7,100
Izod Impact (ft. lb./in.) ASTM D-256.....	0.75
Unnotched.....	8.8

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