



TC-870 A/B

NEW IMPROVED FORMULATION

70 SHORE D URETHANE CASTING SYSTEM

PRODUCT HIGHLIGHTS:

- ✓ High impact semi-rigid material
- ✓ Odorless, clean light color/with oil free surfaces
- ✓ Will prolong the life of a silicone mold; many parts/cycles are achieved
- ✓ Problem free, fast setting product; superior to most oil filled fast castable products
- ✓ Relatively moisture insensitive
- ✓ Easily pigmented to most colors

PRODUCT DESCRIPTION:

TC-870 A/B produces a high impact semi-rigid 70 Shore D material that is commonly used to make various cast parts, prototypes, models, and artwork components. The improvements that have been incorporated in the new TC-870 provide substantially higher tensile strength, flexural strength, and Izod Impact properties.

PRODUCT USES:

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

CURED PROPERTIES:

Hardness, Shore D	70 ± 2
Specific Gravity (gm/cc)/Density part A	1.16
Specific Gravity (gm/cc)/Density part B	1.03
Specific Gravity (gm/cc)/Density	1.09
Cu. in per pound	25.2
Color (un-pigmented).....	Light cream
Tensile Strength (psi) ASTM D 638-82.....	5875
Elongation (%) ASTM D 638 (Ultimate).....	67%
Shrinkage (in./in.) ASTM D 2566-79 (maximum)	0.002
Flexural Strength, (psi) ASTM D790.....	5,800
Flexural Modulus, (psi).....	6.7 × 10 ⁴
Izod Impact (notched) ft-lb/in, ASTM D-256	1.4