



ALIPHATIC & WATER CLEAR URETHANES

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

WC-782 A/B

WATER CLEAR RIGID 82 SHORE D URETHANE CASTING SYSTEM

PRODUCT HIGHLIGHTS:

- Exceptional clarity
- Very high impact rigid material
- 12-14 minute working time provides the option for large pours
- No odor
- Cures in most silicone rubber molds
- Good weatherability, non-yellowing

PRODUCT DESCRIPTION:

WC-782 A/B produces a high impact rigid 82 Shore D material that is commonly used to make clear or tinted castings of all kinds. When used at room temperature castings 1/8" thick or larger can be readily cast. Castings that are less than 1/8" thick generally require a mild post-cure.

PRODUCT USES:

- Prototype computer parts
- Models of all kinds
- Artwork components
- Architectural models
- Gears, wheels, fans
- Transportation cases
- Miniatures and movie props

CURED PROPERTIES:

Hardness, Shore D, ASTM D 2240-68	82
Specific Gravity (gm/cc)/Density	1.04
Cu. in. per pound	26.7
Color	Water clear/colorless
Tensile Strength (psi) at yield ASTM 638-82	4700
Elongation (%) at yield ASTM D 638-82	7-10
Flexural Strength, psi	7500
Flexural Modulus, x 10 ⁵ , psi	2.0-2.5
Izod Impact, (ft-lb/in.) ASTM D-256	1.0
Compressive Strength, psi	8350
Compressive Modulus, x 10 ⁵ , psi	3.5
Shrinkage (in./in.) (Maximum) ASTM D 2566-79005
Heat Deflection Temperature °F (66 psi)	165