



WC-788 A/B

WATER CLEAR RIGID 84 SHORE D URETHANE CASTING SYSTEM

PRODUCT HIGHLIGHTS:

- Colorless with exceptional clarity
- Excellent impact strength
- 12 - 14 minute working time provides the option for large pours
- No odor
- Good weatherability, non-yellowing all aliphatic
- Excellent heat resistance

PRODUCT DESCRIPTION:

WC-788 A/B is an impact resistant, rigid, 84 Shore D aliphatic polyurethane that is commonly used to make clear or tinted castings of all kinds. Note: WC-788 A/B requires post-curing. Thin section casts, less than 1/2" thick, may require in mold post-curing. See post-cure instructions on page 2.

TYPICAL PRODUCT USES:

- ◆ Prototype computer parts
- ◆ Models of all kinds
- ◆ Artwork components
- ◆ Architectural models
- ◆ Transportation cases
- ◆ Miniatures and movie props

PHYSICAL PROPERTIES:

Hardness, Shore D ASTM D-2240	84 ± 2
Specific Gravity, (gm/cc)	1.06
Displacement, (cu.in./lb.)	26.2
Color/Appearance	Water clear/colorless
Tensile Strength, (psi) @ yield ASTM D-638	8,300
Tensile Modulus, (psi)	2.7 x 10 ⁵
Elongation, (%) @ yield	6.2
Elongation, (%) @ break	20
Flexural Strength, (psi) ASTM D-790	11,200
Flexural Modulus, (psi)	3.0 x 10 ⁵
Izod Impact, (ft.-lb./in.) ASTM D-256	1.1
Compressive Strength, (psi) ASTM D-695	TBD
Compressive Modulus, (psi)	TBD
Shrinkage, (in./in.) (maximum) ASTM D-2566	0.0078
Heat Deflection Temperature, (66 psi) ASTM D-648	175°F (79°C)
Index of Refraction ASTM D-542	1.49