



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

RIGID FILLED & UNFILLED URETHANES

TC-880 A/B

RIGID 80 SHORE D URETHANE CASTING SYSTEM

PRODUCT DESCRIPTION:

TC-880 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 4-5 minutes.

PRODUCT USES:

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

CURED PROPERTIES:

Hardness, Shore D.....	78 ± 2
Specific Gravity (gm/cc)/Density part A.....	1.16
Specific Gravity (gm/cc)/Density part B.....	1.04
Specific Gravity (gm/cc)/Density mixed.....	1.10
Cu. in per pound.....	25.2
Color.....	Off White
Tensile Strength (psi) AS1M D 638-82.....	6,450
Tensile Modulus, (psi).....	127 ,500
Compressive stress, 10% strain, psi.....	85,000
Elongation (%) ASTM D 638-82.....	4.0%
Shrinkage (in./in.) ASTM D 2566-79.....	.003
Flexural Modules (psi).....	204,700
Flexural Strength (psi).....	9,875
Izod Impact (heat cured)	
Notched.....	.89 ft lb/in
Unnotched.....	8.83 ft lb/in

HANDLING PROPERTIES :

Mix Ratio:	
Resin Part A.....	100 parts by Weight
Curative Part B.....	100 parts by Weight
Viscosity, Centipoise (cps) @ 770 F.:	
Mixed Viscosity (cps).....	240-260 CPS
Color: Resin Part A.....	Translucent yellow
Curative Part B.....	Off white
Work Life @ 750 F.....	4-5 minutes
Demold Time.....	3-4 hours
Cure Schedule.....	For ultimate heat distortion the materialshould be post cured at 160° F. for 6 hours.This gives an HOT of 155° F.

