

SOLIDCONCEPTS



TC 880 A/B RIGID 80 SHORED D URETHANE CASTING SYSTEM.

PRODUCT HIGHLIGHTS

- High impact rigid material
- Convenient mixing ratio: 1 to 1 parts by weight
- Odourless, exudate free, clean white colour
- Will prolong the life of a silicone mould, many parts/cycles are achieved.
- Problem free, fast setting product; offsets most oil filled fast casts.
- Relatively moisture insensitive.

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.

TYPICAL PRODUCT USES

- Computer Housings
- Models of all kinds
- Artwork components
- Architectural models
- Gears, wheels and fans
- Transportation cases
- Miniatures, movie props and parts
- Simulated injected moulded pieces

www.solid-concepts.com.au

Solid Concepts Pty Ltd, Australia

ABN 46 009 301 553

5 Harvard Way
Canning Vale 6155 Western Australia
Telephone: +61 8 9455 5377
Facsimile: +61 8 9455 5344
Email: prototype@solid-concepts.com.au

Solid Concepts Pte Ltd, Singapore

Block 5000, Ang Mo Kio Ave 5, Techplace II #02-09, Singapore 569870
Telephone: +65 6483 3846
Facsimile: +65 6483 3841
Email: prototype@solid-concepts.com.sg



PHYSICAL PROPERTIES

Hardness, Shore D	80+2
Specific gravity (gm/cc) cured	1.12
Displacement (cu.in. /lb)	24.8
Colour	Cream
Tensile Strength, (psi) ASTM D-638	5,500
Tensile Modulus, (psi)	2.1 x 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)	2.0 x 10 ⁵
Flexural strength, (psi)	7100
Izod Impact, (ft -lb./in), ASTM D-256	0.75
Unnotched	8.8