

TC-810 A/B

RIGID URETHANE CASTING SYSTEM

PRODUCT DESCRIPTION:

TC-810 A/B is a very low viscosity, rapid setting rigid urethane compound. This system will cure quickly to a hard, tough plastic. TC-810 A/B is generally insensitive to moisture during and after cure.

TYPICAL PRODUCT USES:

- ✓ Movie models, props, and parts
- ✓ Industrial and hobby type models

PHYSICAL PROPERTIES:

Hardness, Shore D	70
Tensile Strength (psi)	2500
Displacement (cu. in per lb.)	26
Shrinkage (in./in.)	0.009
Elongation (%) ASTM D-2370	10

HANDLING PROPERTIES:

Mix Ratio (by weight):

Part A	100 parts by weight
Part B	100 parts by weight

Mix Ratio (by volume):

Part A	94 parts by volume
Part B	100 parts by volume

Mixed Viscosity (cps) 112

Color:

Part A	Brown
Part B	Amber

Work Time @ 77°F (25°C).....2.5 minutes

Demold Time @ 77°F (25°C)..... 10-15 minutes

Pre-mix A and B components separately before using. After combining the components, blend with a paddle or blade type mixer for 10 to 15 seconds and pour immediately into a mold. Best mixing results can be obtained using variable speed air or electric drill motors powering a "Jiffy" mixer. BJB carries several sizes of Jiffy Mixers that are convenient for mixing in small to large containers. Request technical assistance for selection information.

STORAGE:

Store in a cool dry place. Unopened containers of TC-810 A/B will have a shelf life of 6 months when properly stored under normal temperature conditions, 75° F (24°C).

PACKAGING:

1 Gallon Kits (pre-weighed)..... 8 lbs. A, 8 lbs. B
5 Gallon Kits (pre-weighed)..... 40 lbs. A, 40 lbs. B
Drum Kits 450 lbs. A, 450 lbs. B

SAFETY PRECAUTIONS:

Use in a well-ventilated area. Avoid contact with skin using protective gloves and protective clothing. Repeated or prolonged contact on the skin may cause an allergic reaction.

Eye protection is extremely important. Always use approved safety glasses or goggles when handling this product.

IF CONTACT OCCURS:

Skin: Immediately wash with soap and water. Remove contaminated clothing and launder before reuse. Seek qualified medical attention if allergic reactions occur.

Eyes: Immediately flush with water for at least 15 minutes. Call a physician.

Ingestion: If conscious, give plenty of water to drink. Induce vomiting only as directed by medical personnel. Contact a physician immediately.

Refer to the Material Safety Data Sheets before using this product.