



TC-850 A/B
75 SHORE D POLYURETHANE CASTING SYSTEM



TC-850 A/B produces a high Heat Deflection 75 Shore D material that is commonly used to make computer housings, models of all kinds, artwork, and can also be used for electronic component encapsulation. It provides a working time of 6-7 minutes.

- RoHS/REACH Compliant
• Cost Effective
• Odorless, clean white
• 1-2 hour demold time
• Excellent for vacuum or pressure casting
• Low viscosity

Table with 3 columns: PHYSICAL PROPERTIES, TEST METHOD, TEST RESULTS. Rows include Hardness, Density, Tensile Strength, etc.

Note: Reported physical properties based on elevated temperature cured test specimens.

Table with 3 columns: HANDLING PROPERTIES, Part A, Part B. Rows include Mix Ratio, Viscosity, Work Time, etc.

Properties above are typical and not for specifications.

CURE SCHEDULE/HEAT CURING:

Most of the physical properties can be achieved in 5-7 days at 77°F (25°C). You may use your own post-cure schedule but the physical properties may vary from BJB's cure schedule of 1-3 hours at 77°F (25°C) followed by 16 hours at 160 °F (71°C). Do not exceed curing temperatures of 200°F (93°C). Support of the part may be required to prevent part deformation during the heat curing process.

VACUUM DE-GASSING/DE-AIRING:

It is advisable whenever possible to evacuate entrapped air prior to casting this system. The use of de-airing agent, (BJB's AF-4), can speed the process.

NOTE:

TC-850 A/B should be stored at ambient temperature and the TC-850 "B" component may require vacuum de-airing prior to combining it with the "A" component. Evacuation of the mixing components is mandatory in order to achieve best results. It is recommended that the "A" & "B" components as well as the mold should be pre-conditioned to a minimum of 80°F (26.7°C) prior to use. If further information is required, please contact BJB's technical staff for assistance.

STORAGE:

Store at ambient temperatures, 65-80°F (18-27°C). Unopened containers will have a shelf life of 6 months from date of shipment when properly stored at recommended temperatures. Purge opened containers with dry nitrogen before re-sealing.

PACKAGING	Part A	Part B	Cubic Inches per Kit
Quart Kits	2 lbs.	1 lb.	77
Gallon kits	8 lbs.	4 lbs.	307
5 Gallon kits	40 lbs.	20 lbs.	1,536
Drum kits	440 lbs.	220 lbs.	16,896

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. It is *not* recommended to remove resin from skin with solvents. Solvents only increase contact and dry skin. Seek qualified medical attention if allergic reactions occur.

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

Ingestion: If swallowed, call a physician immediately. Remove stomach contents by gastric suction or induce vomiting only as directed by medical personnel. Never give anything by mouth to an unconscious person.

⚠WARNING: This product can expose you to chemicals including 1,2-Benzenedicarboxylic acid, di-C9-11-branched alkyl esters, C10-rich and Naphthalene, which are known to the State of California to cause cancer and birth defects or other reproductive harm. For more information, go to www.P65Warnings.ca.gov.

NOTE:

Refer to the Safety Data Sheet before using this product. For processing tips and guides, please visit: learn.bjbmaterials.com to discover additional information.