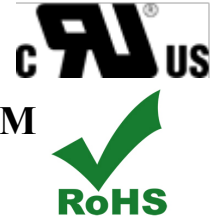




TC-898 FR A/B
RIGID 78 SHORE D POLYURETHANE CASTING SYSTEM
FIRE RETARDANT



TC-898 FR A/B is a RoHS/REACH compliant, fire retardant, polyurethane system that produces a tough 78 shore D material. This system has high impact strength and a remarkable heat deflection temperature for a 78 Shore D fire retardant material.

- UL 94V-0 Listed, flammability rating at 0.125" thickness (File# E174527)
RoHS/REACH compliant
15-minute work time
High heat resistance
High impact

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

*Note: Reported physical properties are based on test specimens cured 2-3 hours at room temperature then 16 hours at 180°F (82°C).
†Shrink test specimens are cured for 24 hours at room temperature and then 16 hours at 180°F (82°C).

Table with 3 columns: HANDLING PROPERTIES, Part A, Part B. Rows include Mix Ratio, Specific Gravity, 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 2-3 hours at 77°F (25°C) followed by 16 hours at 180 °F (82°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.

NOTE #1:

Important: Shake or re-blend both ‘A’ and ‘B’ components separately prior to weighing and combining. It is advisable whenever possible to evacuate entrapped air prior to casting this system. The use of a de-airing agent can speed up the process. BJB's AF-5 antifoam works best as the de-airing agent. In conjunction with these support products BJB offers pigments in a wide variety of colors and stainless steel mixers called "Jiffy Mixers." If help is required call BJB for assistance. For additional information on the use of this product, refer to BJB Guidelines for Handling Polyurethane Products.

NOTE #2:

The natural color of TC-898 FR A/B is clear pale amber. When the cured material is exposed to direct sunlight or strong UV light, the material will turn to an amber/orange color within approximately 2 hours.

ACCESSORIES:

BJB offers silicone RTV mold making materials along with a wide range of accessory items. These include de-airing agents, pigments, mold releases, and Jiffy® Mixers. Visit BJB’s website at www.bjbenterprises.com or consult a BJB representative for more information.

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 lbs.	70
Gallon Kits	8 lbs.	4 lbs.	279
5-Gallon Kits	40 lbs.	20 lbs.	1,393

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.

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.

⚠WARNING: This product can expose you to chemicals including Benzene, which is 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.

NON-WARRANTY "Except for a warranty that materials substantially comply with the data presented in Manufacturer's latest bulletin describing the product (the basis for this substantial compliance is to be determined by the standard quality control tests generally performed by Manufacturer), all materials are sold "AS IS" and without any warranty express or implied as to merchantability, fitness for a particular purpose, patent, trademark or copyright infringement, or as to any other matter. In no event shall Manufacturer's liability for damages exceed Manufacturer's sale price of the particular quantity with respect to which damages are claimed."