



TC-306 FR A/B FIRE RETARDANT RIGID POLYURETHANE FOAM 6# DENSITY

The TC-306 A/B FR polyurethane foam system is a rigid, fire retardant closed cell foam with a density of 6 lbs. per cubic foot. The TC-306 can be easily mixed by hand in small batches using a rapid, vigorous mixing action or by using a Jiffy Mixer® in a drill to provide a high-shear mix in small to large quantities. For low to high production, this foam system can also be machine dispensed using BJB’s Centerpointe Meter-Mix equipment and our dynamic mix manifold option. Cured parts can be sanded, stapled, painted or stained within a short time after demolding.

PHYSICAL PROPERTIES	TEST METHOD	TEST RESULTS
Density, (free rise) lbs/ft ³	--	6
Density, (free rise) kg/m ³	--	96
Compressive Strength (psi)	ASTM D1621	TBD
Tensile Strength (psi)	ASTM D1623	TBD
Flexural Strength (psi)	ASTM D790	TBD
Shear Strength (psi)	ASTM C273	TBD
K Factor @ 77°F (25°C)	ASTM C518	TBD
Closed Cell Content (%)	ASTM D2856	TBD

HANDLING PROPERTIES	PART A	PART B
Mix Ratio (by weight)	100	90
Mix Ratio (by volume)	100	100
Specific Gravity @ 77°F (25°C)	1.23	1.1
Viscosity, (cps) @ 77°F (25°C) Brookfield	250	650
Color	Brown	Pale Yellow
Cream Time @ 77°F (25°C)	30 – 40 seconds	
Rise Time	2 – 2.5 minutes	
Tack Free Time	3 – 4 minutes	
Demold Time @ 77°F (25°C)	15 – 20 minutes	

Properties above are typical and not for specifications.

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
5-Gallon Kits	40 lbs.	36 lbs.
55-Gallon Drum Kits	500 lbs.	450 lbs.

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.

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

⚠WARNING: This product can expose you to chemicals 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.bjbmaterals.com to discover additional information.