



TC-300 A/B

GENERAL PURPOSE RIGID POLYURETHANE FOAM

AVAILABLE DENSITIES: 2.5#, 6#, 10#, & 16# PER CUBIC FOOT

PRODUCT DESCRIPTION:

The TC-300 A/B series are rigid low modulus polyurethane foam systems that can be easily mixed with a high shear blade mixer or through foam dispensing units. This system provides good impact resistance with high flexural and shear strength. The good flow characteristics of the TC-300 A/B series allow intricate mold cavities to be easily filled. Demold time is short, 15-18 minutes or less. Cured parts can be nailed, stapled, and painted or stained within a short time after demolding.

PRODUCT HIGHLIGHTS:

- ✓ Easy to hand or machine cast
- ✓ Flows well in mold cavities
- ✓ Fast Demolds
- ✓ Excellent physical properties

PHYSICAL PROPERTIES: Based on a 10 pound per cubic foot molded sample.

Compressive Strength, (psi) ASTM D1621.....	330
Tensile Strength, (psi) ASTM D1623.....	270
Flexural Strength, (psi) ASTM D790-84A.....	460
Shear Strength, (psi) ASTM C273-61	170
K Factor @ 77°F (25°C) ASTM C177-85	0.2
Closed Cell Content, (%) ASTM D2856.....	98
Water Vapor Transmission (perms/in).....	0.8

HANDLING PROPERTIES: All densities.

Mix Ratio (parts by weight):

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

Mix Ratio (parts by volume):

Part A	87 parts by volume
Part B	100 parts by volume

Viscosity, (cps) @ 77°F (25°C) Brookfield:

Part A	250
Part B	900-1200

HANDLING PROPERTIES (continued):

Color:

Part A Brown
Part B Amber

Specific Gravity:

Part A 1.23
Part B 1.07

Cream Time 30-40 seconds

Gel Time 2-3 minutes

Tack Free Time..... 3-4 minutes

Demold Time..... 15-18 minutes

NOTE:

The 300 series is resistant to gasoline, oils, dilute acids and bases, and most unsaturated hydrocarbons. Recommended mold release is Challenge 90.

STORAGE:

Store in a cool dry place. Unopened containers will have a shelf life of 6 months from date of shipment when properly stored at room temperatures. Purge opened containers with dry nitrogen before re-sealing.

PACKAGING:

1 Gallon kits..... 8 lbs. A, 8 lbs. B
5 Gallon kits..... 40 lbs. A, 40 lbs. B
55-Gallon drum kits..... 480 lbs. A, 480 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. 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.