



# TC-1604 A/B

## GENERAL PURPOSE WHITE LAMINATING SYSTEM

### PRODUCT DESCRIPTION:

TC-1604 A/B is a filled, easy to apply, laminating resin used for fabricating reinforced laminates with fiberglass cloth or other types of reinforcement materials. TC-1604 A/B is normally used for low temperature applications and would not be recommended for applications where temperatures will exceed 250°F (121°C) for extended periods.

### PHYSICAL PROPERTIES:

Hardness, Shore D ASTM D-2240 .....	89
Specific Gravity (g/cc) cured, ASTM D-792 .....	1.3
Cubic inch per pound .....	24.1
Color/Appearance .....	White
Compressive Strength, (psi) ASTM D-695 .....	40,000
Tensile Strength, (psi) ASTM D-638 .....	32,000
Flexural Strength, ASTM D-790 .....	39,000
Flexural Modulus, (psi) ASTM D-790 .....	$2.3 \times 10^6$
Shrinkage, (in./in.) .....	0.00015
Water Absorption, (% in 100 hours) ASTM D-570 .....	1.25
Coefficient of Thermal Expansion, (in./in./°F) ASTM D-3386 .....	$1.2 \times 10^{-5}$
Heat Deflection Temperature, (264 psi) ASTM D-648 .....	224°F (107°C)

### HANDLING PROPERTIES:

Mix Ratio (by weight):

Part A .....	100 parts by weight
Part B .....	12 parts by weight

Specific Gravity (g/cc):

Part A .....	1.28
Part B .....	1.02

Viscosity (cps) @ 77°F (25°C) .....

Work Life, 1# mass @ 77°F (25°C) .....

20 minutes

**STORAGE:**

Store at 55° - 90°F (13° - 32°C) in a dry location. Unopened containers will have a shelf life of 12 months from date of shipment when properly stored at room temperature. Keep containers tightly sealed after use.

**PACKAGING:**

Gallon Kits ..... 10 lbs. A, 1.2 lbs. B  
5-Gallon Kits ..... 50 lbs. A, 6 lbs. B  
Drum Kits ..... 500 lbs. A, 60 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.**

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."