



TCC-306/104 LAMINATING SYSTEM

ROOM TEMPERATURE

PRODUCT BULLETIN



www.CASSpolymers.com	800.344.7776	TCC@CASSpolymers.com
31200 Stephenson Hwy	Madison Heights MI 48071	Ph 248.588.2270 Fax 248.588.5909

DESCRIPTION

Epoxy Resin **TCC-306** with Epoxy Hardener **TCC-104** is a low odor, room temperature laminating system which provides rapid saturation with minimal seepage for fiberglass cloth laminates. This versatile laminating system is recommended for die models, checking fixtures, or any room temperature laminating application.

HANDLING CHARACTERISTICS AND PHYSICAL PROPERTIES @ 25°C/77°F

Mix Ratio (parts by weight).....	Resin TCC-306/Hardener TCC-104	100R/20H
Pot Life (100 gram mass).....		30 minutes
Linear Shrinkage		Nil
Mixed Specific Gravity.....		1.45
Viscosity:		
.....	Resin TCC-306	13,000 cps
.....	Hardener TCC-104	250 cps
.....	Mixed Viscosity	3,500 cps
Color:		
.....	Resin TCC-306	White
.....	Hardener TCC-104	Amber
.....	Cured Color.....	White
Peak Operating Temperature.....		150°F
Thermal Coefficient of Expansion		2.2 x 10 ⁻⁶ in/in/°F
Hardness		85 - 90 Shore D
Tensile Strength		25,900 psi
Flexural Strength.....		38,000 psi
Water Absorption		0.19 %
Cure Time.....		12 - 24 hours
Shelf Life (in original unopened containers).....	TCC-306/TCC-104.....	2 years

SANITARY PRECAUTIONS

Do not take internally. Avoid prolonged breathing of vapors. Work in a well-ventilated area. Avoid skin contact. Protective gloves should be worn. If contact occurs: wash skin with soap and water. Avoid eye contact. If contact occurs: rinse well with water for 15 minutes, contact physician.

STORAGE

Store at room temperature. Before use, mix resin well with mechanical device.

TCC-306 Tech/Revised 5/20/10
Supersedes 5/17/06

Seller cannot anticipate all conditions under which seller's products, or the products of other manufacturers in combination with seller's products, may be used. Seller accepts no responsibility for results obtained by the application of seller's products or the safety and suitability of seller's products, either alone or in combination with other products. Users are advised to make their own test to determine the safety and suitability of each such product or product combination for their own purposes. Unless otherwise agreed in writing, seller delivers the products without warranty of any nature, stated or implied, and buyers and users assume all responsibility and liability for loss or damage arising from the handling and use of said products, whether used alone or in combination with other products. Purchaser waives any claim against seller for direct, indirect, consequential or exemplary damages against seller, including without limitation, damage which may incur as a result of purchaser's use or misuse of the product or the products failure to conform to any particular specifications.