

## CMT Materials CTB 44 Composite Toolboard High Temperature

Category : Polymer , Thermoset , Epoxy

**Material Notes:**

CTB-44 is manufactured by CMT Materials for a wide variety of vacuum forming applications. It is suitable for use up to 2500F (1210C).

CTB-44 utilizes a copolymer base material and smaller cell structure than most boards, providing improved mechanical properties and a smoother surface finish. Excellent machinability Superior edge definition Good dimensional stability Outstanding surface finish

Applications: CTB-44 is an excellent choice for constructing forming tools, master models, fixturing and other heat resistant applications. It may also be used for composite fabrication in pre-preg and autoclave cure, wet lay-up, vacuum infusion and other composite processes.

Information Provided by CMT Materials, Inc.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_CMT-Materials-CTB-44-Composite-Toolboard-High-Temperature.php](http://www.lookpolymers.com/polymer_CMT-Materials-CTB-44-Composite-Toolboard-High-Temperature.php)

Physical Properties	Metric	English	Comments
Density	0.705 g/cc	0.0255 lb/in <sup>3</sup>	

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	80	80	
Flexural Strength	44.6 MPa	6470 psi	
Flexural Modulus	2.30 GPa	334 ksi	
Compressive Strength	55.2 MPa	8010 psi	
Compressive Modulus	2.00 GPa	290 ksi	

Thermal Properties	Metric	English	Comments
CTE, linear	39.6 $\mu\text{m}/\text{m}\cdot^\circ\text{C}$	22.0 $\mu\text{in}/\text{in}\cdot^\circ\text{F}$	

Descriptive Properties	Value	Comments
Color	Blue Gray	

## Contact Songhan Plastic Technology Co.,Ltd.

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