

CTB-44 Toolboard

High temperature, long life and easily machined for smooth surface finishes

CTB-44 is manufactured by CMT Materials for a wide variety of vacuum forming applications. It is suitable for use up to 250°F (121°C). 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

Typical Properties

Color	Blue-Gray
Density (ρ)	44 lb/ft ³ [704 kg/m ³]
Hardness	80 Shore D
Flexural Strength	6470 psi [44.6 Mpa]
Flexural Modulus	334,000 psi [2300 Mpa]
Compressive Strength	8,010 psi [55.2 Mpa]
Compressive Modulus	290,000 psi [2,000 Mpa]
Coefficient of Thermal Expansion (CTE)	22 x 10 ⁻⁶ in/in/°F [40 x 10 ⁻⁶ m/m/°C]

Available Sizes

1.0" x 24 x 26 [25mmx610x660]	1.0" x 24 x 60 [25mmx610x1524]
1.5" x 24 x 26 [38mmx610x660]	2.0" x 24 x 60 [38mmx610x1524]
2.0" x 24 x 26 [51mmx610x660]	3.0" x 24 x 60 [76mmx610x1524]
2.5" x 24 x 26 [64mmx610x660]	4.0" x 24 x 60 [102mmx610x1524]
3.0" x 24 x 26 [76mmx610x660]	
3.5" x 24 x 26 [89mmx610x660]	
4.0" x 24 x 26 [102mmx610x660]	



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.



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