



POLYURETHANE FOAM BOARDS

TCC-6012, TCC-6015
TCC-6020 and TCC-6030

PRODUCT BULLETIN



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DESCRIPTION

Polyurethane Foam Boards are unique fine-celled, high-density polyurethane foam boards intended for proofing NC/CNC machine programs, prototype models, and other modeling applications where a versatile, stable, grain-free stock material is desired. These foam boards are available in 12#, 15#, 20# and 30# densities, and provide a surface which produces excellent edge definition and also enhances paintability and finishing.

TYPICAL PHYSICAL PROPERTIES

<u>Product Name</u>	<u>TCC-6012</u>	<u>TCC-6015</u>	<u>TCC-6020</u>	<u>TCC-6030</u>
Color.....	Tan.....	Tan.....	Tan.....	Tan
Density (lbs/ft ³).....	12 lbs/ft ³	15 lbs/ft ³	20 lbs/ft ³	30 lbs/ft ³
Hardness @ 75°F.....	16 Shore D.....	23 Shore D.....	31 Shore D.....	47 Shore D
Glass Transition (Tg).....	225°F.....	225°F.....	225°F.....	225°F
CTE (in/in/°F).....	2.7 x 10 ⁻⁵	2.7 x 10 ⁻⁵	2.7 x 10 ⁻⁵	2.7 x 10 ⁻⁵
Flexural Strength.....	404 psi.....	657 psi.....	1,132 psi.....	2,436 psi
Flexural Modulus.....	9,059 psi.....	18,416 psi.....	33,069 psi.....	75,462 psi
Tensile Strength.....	363 psi.....	521 psi.....	854 psi.....	1,715 psi
Tensile Modulus.....	25,134 psi.....	40,352 psi.....	70,016 psi.....	152,285 psi
Compressive Strength.....	313 psi.....	617 psi.....	1,052 psi.....	2,227 psi
Compressive Modulus.....	11,744 psi.....	18,416 psi.....	33,069 psi.....	75,462 psi
Fire Safety (FAR 25.853) .Pass.....	Pass.....	Pass.....	Pass.....	Pass

Values shown are nominal averages at 75°F as determined from laboratory tests.

Recommended Adhesive: TCC-90 A/B Fast Polyurethane Adhesive or EA-001 One Part Adhesive

Standard Sizes Available for all foam: 2", 4", 6" T x 20" W x 80" L
Many other sizes available

STORAGE: Store all Tooling Planks on a flat surface at 60°F - 100°F.

TCC6012,6015,6020,6030 Tech/Revised 9/28/09
Supercedes 8/23/07

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