

Custom Foam Products, Inc.

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PRODUCT SPECIFICATIONS

Crosslink

Density Available: _____ 2.0#, 4.0#, 6.0#, 9.0#, 15#

Colors: _____ Various

Sizes: _____ Varies upon density

Polyethylene

Density Available: _____ 1.2#, 1.8#, 2.2#, 4.0#, 6.0#, 9.0#

Colors: _____ Various

Sizes: _____ Varies upon density

Electrostatic Resistance: _____ Available upon request

Polystyrene

Density Available: _____ 0.75#, 1.0#, 1.5#, 2.0#

Colors: _____ Various

Sizes: _____ Varies upon density

Polyurethane

Density Available: _____ 0.85# - 2.8#

ILD available: _____ 10 - 100

Colors: _____ Various

Sizes: _____ Varies upon density

Electrostatic Resistance: _____ Available upon request

Expanded Polyethylene (EPE), Expanded Polypropylene (EPP),
PSA, Rebond and Plastic Corragated **Available Upon Request!**

FOAM TERMINOLOGY

Polyurethane Foam

Density

Weight of a cubic foot of foam (12" x 12" x 12").

Example: 1.0# density = 1.0# per cubic foot
2.0# density = 2.0# per cubic foot

Low Density = 1.0 - 1.2#

Medium Density = 1.5 - 1.7#

High Density = 2.0 - 2.7#

ILD

Indentation Load Deflection -- measures the degree in pounds of softness or firmness of foam. The ILD reading is the number of pounds required to achieve a 25% compression of 4" thick foam using a 50 square inch indenter foot.

Example: 30# ILD takes 30# of pressure to indent foam 25% or 4" to 3".

Oxidation

Oxidation is the nature of Urethane foam to turn yellow; however, it does not affect the performance. Color-dyed foam does not show the oxidation as much due to the dye camouflaging the oxidation.

Unit of Measure

Foam is measured by the board foot (12" x 12" x 1") and generally converted to a per finished piece cost.

Combustibility

Term used to refer to foam that may or may not pass flammability test. A non-flammable chemical may be added at manufacturer. Normal tests are MVSS-302 and CAL117.

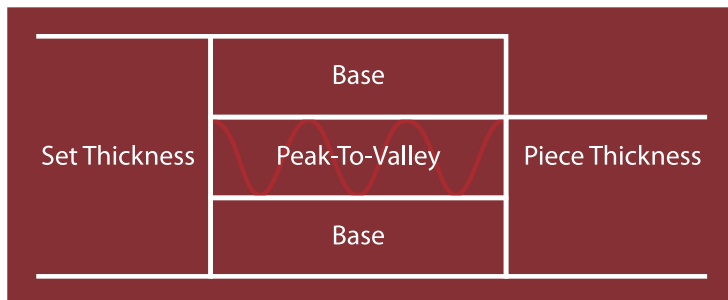
Ether or Ester

Urethane foam can be either Ether or Ester. Standard foam for cushioning is generally Ether. The more expensive Ester is mostly used for packaging and filtering purposes. Polyether Urethane foam has mostly open-cell structure. Polyester Urethane foam has a mostly closed-cell structure.

Reticulated

A process that Polyester Urethane foam can go through to fully open its mostly closed-cell structure. Reticulated Ester foam is commonly used for filtration purposes and is referred as PPI (Pores Per lineal Inch). The typical range is 10-18 PPI.

Convuluted is Always Ordered in Sets of 2



Convuluted Polyurethane -- How to Measure

1. Width of Piece
2. Length of Piece
3. Base Thickness
4. Peak-To-Valley Thickness
5. Piece Thickness (Base + Peak-To-Valley)
6. Set Thickness (Base + Peak-To-Valley + Base)

Expanded Polystyrene (EPS)

Density

Weight of a cubic foot of foam (12" x 12" x 12").

Example: 1.0# density = 1.0# per cubic foot

Polyethylene Plank (PE)

Density

Weight of a cubic foot of foam (12" x 12" x 12").

Example: 2.0# density = 2.0# per cubic foot

Extruded

The plank is extruded in one process to desired nominal thickness in a solid configuration.

Nominal

Extruded plank is gauged at desired thickness + 1/4".

Example: 2" equals 2-1/4" +/- 1/8"
and 3" equals 3-1/4" +/- 1/8"

Laminated

Material is extruded 1/2" thick and is heat-laminated to achieve desired thickness from 1/2" up to 5-1/2" increments.

Skived

Nominal plank that is fabricated to achieve exact thickness.