Williams Everlastic® Econ-O-Foam

The Econ-O-Foam is an expanded, closed-cell, plank, polyethylene foam. It is economical, lightweight, flexible, compressible, resilient, non-absorbent, inherent bond breaker.

Details

AVAILABILITY

Available in cut strips, pads, and trimmed or mill run sheets.
Rolls are stocked in ¼", 3/8" and 1/2" thicknesses by 48" wide and 50" long.

CONTACT US

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Properties & Characteristics

Compressive Strengths

Available in a variety of compressive strengths, and can support a wide range of loads.

Weights

Available in densities ranging from 1.5 to 2.2 lbs/cu ft.

Chemical Resistance

Offers excellent stability when exposed to most acids, hydrocarbons, chlorinated solvents, petroleum products, apints, varnishes, thinners and alcohols.

Temperature Range

Has been used successfully in temperatures ranging from -40°F to 160°F without significant effect on its properties.

Water Absorption

Virtually impermeable. The amount of water absorbed is negligible even when used in flotation applications. Also offers high resistance to transmission of water vapors, with ratings of less than .1 per inch. It contains no water-soluble constituents.

Typical Physical Properties

TYPICAL PROPERTIES	TEST PROCEDURE	RESULTS
Density (PCF)	**ASTM D 3575 Test C**	**1.3-1.5 nominal**
Cell Size (MM)	**ASTM D 3576 Dow Modified**	**1.3**
Compression Strength	**ASTM D 3575 Test BB** **5%** **10%** **25%** **50%**	**3.5** **5** **8** **15**

TYPICAL PROPERTIES	TEST PROCEDURE	RESULTS
Compression Creep	ASTM D 3575 Test BB Loaded @ specified PSI static load for 1000 hrs 75ºF 160ºF	 5 @ 1.5 psi 5 @ .25 psi
Tensile Elongation (%)	ASTM D 3575 Test E	60
Tear Strength (lb/in)	ASTM D 3575 Test D	15
Flexural Modulous (psi)	ASTM D 790	300
Buoyancy (PFC)	ASTM D 3575 Test AA	55-60
Thermal Conductivity (B1U-in/hr ftº)	ASTM D 3575 Test EE Method B	0.4
Thermal Stability (% shrinkage)	ASTM D 3575 Test F Conditioned @ specific temp. with no load 24 hrs 48 hrs	 negative 1.0 @ 165ºF negative 2.4 @ 165ºF