

TECH DATA

**Everlastic®
Econ-O-Foam
1390 Series**

Description

- ◆ Expanded, closed cell, plank, polyethylene foam. Economical, lightweight, flexible, compressible, resilient, non-absorbent, inherent bond breaker.

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 7576 Test B 5% 10% 25% 50%	3.5 5 8 15
Compression Creep	ASTM D 3575 Test BB Loaded @ specified PSI static load for 1000hrs 75°F 160°F	5 @ 1.5 psi 5 @ .25 psi
Tensile Strength (psi)	ASTM D 3575 Test E	50
Tensile Elongation (%)	ASTM D 3575 Test E	60
Tear Strength (lb/in)	ASTM D 3575 Test D	15
Flexural Modulus (psi)	ASTM D 790	300
Bouyancy (PFC)	ASTM D 3575 Test AA	55-60
Thermal Conductivity (B1U-in/hr ft °)	ASTM D 3575 Test EE Method B	0.4
Thermal Stability (% shrinkage)	ASTM D 3575 Test F Conditioned @ specified temp. with no load 24hrs 48hrs	-1.0 @ 165°F -2.4 @ 165°F

Properties and Characteristics

- 1. Compressive Strengths:** Econ-o-Foam is available in a variety of compressive strengths, and can support a wide range of loads.
- 2. Weights:** Econ-O-Foam is available in densities ranging from 1.5 to 2.2 lbs/cu ft
- 3. Chemical Resistance:** Econ-O-Foam offers excellent stability when exposed to most acids, hydrocarbons, chlorinated solvents, petroleum products, paints, varnishes, thinners, and alcohols
- 4. Temperature Range:** Econ-O-Foam polyethylene foam has been used successfully in temperatures ranging from -40°F to 160°F without significant effect on many of its properties.
- 5. Water Absorption:** Econ-O-Foam polyethylene is virtually impermeable. The amount of water absorbed is negligible even when used in flotation applications. Econ-O-Foam also offers high resistance to transmission of water vapors, with ratings of less than .1 per inch. It contains no water soluble constituents.
- 6. Availability:** Econ-O-Foam is available in cut strips, pads, and trimmed or mill run sheets. Rolls are stocked in 1/4", 3/8", and 1/2" thicknesses by 48" wide and 50'0" long.



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