

TECH DATA

Everlastic® Econ-O-Foam 1390 Series

revised 6-20-03
revised 10-06-05

DESCRIPTION: Everlastic® Econ-O-Foam is a closed cell expanded polyethylene preformed joint filler.

TYPICAL PROPERTIES	TEST PROCEDURE	RESULTS
Color		Charcoal gray
Density (PCF)	ASTM D 3575 Test C	1.5 to 2.2 nominal
Cell Size (MM)	ASTM D 3576 Dow Modified	1.3
Compression Strength (PSI)	ASTM S 3576 Test B at 5% at 10% at 25% at 50%	3.5 5 8 15
Compression Creep	ASTM d 3575 Test BB Loaded @ specified PSI static load for 1000 hrs. 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
Buoyancy (PFC)	ASTM D 3575 Test AA	55-60
Thermal Conductivity (B1U-in./hr. ft ² °F) at 75° Mean temperature	ASTM D 3575 Test EE Method B	0.4
Thermal Stability (% Shrinkage)	ASTM D 3575 Test F Conditioned @ specified Temp. with no load: 24 hours 48 hours	- 1.0 @ 165°F - 2.4 @ 165°F

Not to be considered specification values.

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. Ft³
- 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 Econ-O-Foam absorbs is negligible even when used in flotation applications. Econ-O-Foam also offer high resistance to transmission of water vapors, with ratings of less than 0.1 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' long.



To the best of our knowledge this published information is accurate, however, to determine suitability of material/product for a specific application is the user's responsibility. Williams Products, Inc. shall not be liable for any loss or damage resulting from inappropriate usage.

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