

## 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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## 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.

### 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<br>nominal                           |
| Cell Size (MM)                       | ASTM D 3576<br>Dow Modified   | 1.3  |
| Compression Strength                 | ASTM D 3575 Test BB<br>5%<br>10%<br>25%<br>50%  | 3.5<br>5<br>8<br>15                          |
| Compression Creep                    | ASTM D 3575 Test BB<br>Loaded @ specified<br>PSI<br>static load for 1000 hrs<br>75°F<br>160°F | 5 @ 1.5 psi<br>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°) | ASTM D 3575 Test EE<br>Method B   | 0.4  |
| Thermal Stability (% shrinkage)      | ASTM D 3575 Test F<br>Conditioned @<br>specific temp. with no<br>load<br>24 hrs<br>48 hrs     | negative 1.0 @ 165°F<br>negative 2.4 @ 165°F |