



GEOFOAM LIGHTWEIGHT FILL

Transportation | Commercial Construction | Landscape Applications

All American Geofoam is a lightweight engineered fill material designed to provide stability while reducing loads on underlying soils and structures. Manufactured to meet ASTM D6817, our geofoam delivers consistent performance across a wide range of geotechnical applications.

| PROPERTY | 12 | 15 | 19 | 22 | 29 | 39 | 46 |
|--------------------------------|-------|-------|-------|-------|-------|-------|-------|
| ASTM Type | EPS12 | EPS15 | EPS19 | EPS22 | EPS29 | EPS39 | EPS46 |
| Compressive @1% (psi) | 2.2 | 3.6 | 5.8 | 7.3 | 10.9 | 15.0 | 18.6 |
| Compressive @1% (psf) | 320 | 520 | 840 | 1050 | 1570 | 2160 | 2680 |
| Density (lb/ft ³) | 0.70 | 0.90 | 1.15 | 1.35 | 1.80 | 2.40 | 2.85 |
| Elastic Modulus (psi) | 220 | 360 | 580 | 730 | 1090 | 1500 | 1860 |
| Flexural Strength (psi) | 10 | 25 | 30 | 35 | 50 | 60 | 75 |
| Water Absorption (%) | 4.0 | 3.0 | 2.0 | 2.0 | 1.0 | 1.0 | 1.0 |
| Oxygen Index (%) | 24 | 24 | 24 | 24 | 24 | 24 | 24 |
| Buoyancy (lb/ft ³) | 62 | 62 | 61 | 61 | 61 | 60 | 60 |

www.allamericangeofoam.com



INSTALLATION GUIDELINES & DESIGN CONSIDERATIONS

INSTALLATION GUIDELINES

Install geofoam on a level base. Place in layers with staggered joints to improve stability. Blocks can be field-cut for tight tolerances and fit.

STORAGE & HANDLING

Store above ground and cover to protect from UV exposure. Secure lightweight blocks to prevent movement from wind.

DESIGN CONSIDERATIONS

Design loads should remain within the elastic range, typically defined by compressive resistance at 1% strain. Account for buoyancy and long-term creep in design.

PRODUCT AVAILABILITY

Available in standard and custom block sizes. CNC fabrication available for project-specific needs.

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