

# Elevation Geofoam Minimum Properties

Elevation Geofoam is UL Classified for PHYSICAL PROPERTIES, see UL R16529.QORW

Typical Density #/ft3 >	0.70	0.90	1.15	1.35	1.80	2.40	2.85
D6817 Classification >	EPS12	EPS15	EPS19	EPS22	EPS29	EPS39	EPS46
Compression psi 1% Deform	2.2	3.6	5.8	7.3	10.9	15.0	18.6
Compression psi 5% Deform	<b>Compressive Tests on 2" cubes per D6817, note permanent damage occurs between 1-2% deformation, please contact Atlas EPS for specifications indicating 5 or 10% deformation ( see 3rd party certification)</b>						
Compression psi 10% Deform							
Flexural Strength psi	10.0	25.0	30.0	40.0	50.0	60.0	75.0
Oxygen Index, min vol%	24.0	24.0	24.0	24.0	24.0	24.0	24.0
Surface Burning	<b>US via E84 = Flame Spread 20 <sup>(75)</sup>, Smoke Developed 400 <sup>(450)</sup>, Canada CAN/ULC S102.2 = Flame Spread 290, Smoke Developed &gt; 500</b>						
Freeze / Thaw Exposure	<b>NO degradation of Thermal Resistance, Dimensional Stability, or Strength after ASTM C1512 cycling test for insulation</b>						
15 year Below Grade	<b>NO degradation of Thermal Resistance, Dimensional Stability, or Physical Strength after 15 year foundation exposure test.</b>						
Termiticide	Second generation, EPA registered pesticide treatment available						
Connector Plates	4" x 4" Galvanized steel plate with two sided, multi barbed design able to withstand 60 psi lateral pressure						
Warranty	20 year Warranty on Physical Properties including compressive resistance						
Standard Sizes Elevation geofoam	Standard sizes vary by project, recommended sizes are 32 x 48 x 96 or 40 x 48 x 96						
Available Sizes Elevation geofoam	Thickness .5-32 or 40, width 12-48 or 12-68, length 12-168 or 12 -244						