

Geofoam is expanded polystyrene (EPS) manufactured into sizeable lightweight blocks that can be custom-cut to your needs. The ultimate fill for highways, bridge approaches, embankments, retaining walls, airports, stadium seating, plaza decks, parking lots or green roofs.

LET SHELTER ENTERPRISES "GEO-FILL" YOUR NEEDS
Easy to install - Durable - Engineered to suit!

SHELTER ENTERPRISES GEOFOAM SPECIFICATIONS

DESIGN VALUES	TYPES AND PHYSICAL PROPERTIES						
	ASTM D6817	EPS 15	EPS 19	EPS 22	EPS 29	EPS 39	EPS 46
	EPS Name	1.0#	1.25#	1.5#	2.0#	2.5#	3.0#
	ASTM C578	Type I	Type VIII	Type II	Type IX	Type XIV	Type XV
MINIMUM DENSITY (as per ASTM D6817)	lb/ft ³ (kg/m ³)	0.90 (14.4)	1.15 (18.4)	1.35 (21.6)	1.80 (28.8)	2.40 (38.4)	2.85 (45.7)
COMPRESSIVE RESISTANCE @ 10% DEFORMATION, min. (as per ASTM D6817)	psi psf (kPa)	10.2 1470 (70)	16.0 2300 (110)	19.6 2820 (135)	29.0 4180 (200)	40.0 5760 (276)	60.0 7200 (345)
COMPRESSIVE RESISTANCE @ 5% DEFORMATION, min. (as per ASTM D6817)	psi psf (kPa)	8.0 1150 (55)	13.1 1890 (90)	16.7 2400 (115)	24.7 3560 (170)	35.0 5040 (241)	43.5 6260 (300)
COMPRESSIVE RESISTANCE @ 1% DEFORMATION, min. (as per ASTM D6817)	psi psf (kPa)	3.6 520 (25)	5.8 835 (40)	7.3 1050 (50)	10.9 1570 (75)	15.0 2160 (103)	18.6 2680 (128)
ELASTIC MODULUS, min. (as per ASTM D6817)	psi (kPa)	360 (2500)	580 (4000)	730 (5000)	1090 (7500)	1500 (10300)	1860 (12800)
FLEXURAL STRENGTH, min. (as per ASTM 6817)	psi (kPa)	25.0 (172)	30.0 (207)	35.0 (240)	50.0 (345)	60.0 (414)	75.0 (517)
WATER ABSORPTION (as per C578)	maximum volume %	4.0	3.0	3.0	2.0	2.0	2.0
OXYGEN INDEX (as per C578)	minimum volume %	24.0	24.0	24.0	24.0	24.0	24.0
BUOYANCY FORCE	lb/ft ³ (kg/m ³)	61.5 (980)	61.3 (980)	61.1 (980)	60.6 (970)	60.0 (960)	59.5 (950)