



# CREATIVE FOAM

## GEOFOAM

**Creative Foam Geofoam is made in block form with closed-cell, lightweight expanded polystyrene (EPS) which meets the testing and performance criteria of ASTM D6817, "Standard Specification for Rigid, Cellular Polystyrene Geofoam". Geofoam is approximately 1% the weight of soil and less than 10% the weight of other lightweight fill alternatives. As a lightweight fill, it reduces the loads imposed on adjacent and underlying soils and structures. It is easy to handle during construction, often without the need for special equipment, and is unaffected by occurring weather conditions and will retain its physical properties under engineered conditions of use.**

PHYSICAL PROPERTIES OF EPS GEOFOAM		ASTM D6817						
Property		EPS12	EPS15	EPS19	EPS22	EPS29	EPS39	EPS46
<b>Minimum Density<sup>1</sup></b>	lb/ft <sup>3</sup> (kg/m <sup>3</sup> )	0.72 (11.2)	.90 (14.4)	1.15 (18.4)	1.35 (21.6)	1.8 (28.8)	2.40 (38.4)	3.00 (45.7)
<b>Compressive Resistance<sup>1</sup></b> @ 10% deformation, min.	psi psf (kPa)	5.8 840 (40)	10.2 1470 (70)	16.6 2300 (110)	19.6 2820 (135)	29.0 4180 (200)	40.0 5760 (276)	50.0 7200 (345)
<b>Compressive Resistance<sup>1</sup></b> @ 5% deformation, min.	psi psf (kPa)	5.1 730 (35)	8.0 1150 (55)	13.1 1890 (90)	16.7 2400 (115)	24.7 3560 (170)	35.0 5040 (241)	43.5 6260 (300)
<b>Compressive Resistance<sup>1</sup></b> @ 1% deformation, min.	psi psf (kPa)	2.2 320 (15)	3.6 520 (25)	5.8 840 (40)	7.3 1050 (50)	10.9 1570 (75)	15 2160 (103)	18.6 2680 (128)
<b>Elastic Modulus<sup>1</sup>, min.</b>	psi (kPa)	220 (1500)	360 (2500)	580 (4000)	730 (5000)	1090 (7500)	1500 (10300)	1860 (12800)
<b>Flexural Strength<sup>1</sup>, min.</b>	psi (kPa)	10.0 (69)	25.0 (172)	30.0 (207)	40.0 (276)	50.0 (345)	60.0 (414)	75.0 (517)
<b>Water Absorption<sup>1</sup></b> by total immersion, max.	volume %	4.0	4.0	3.0	3.0	2.0	2.0	2.0
<b>Oxygen Index<sup>1</sup>, min.</b>	volume %	24.0	24.0	24.0	24.0	24.0	24.0	24.0
<b>Buoyancy Force</b>	lb/ft <sup>3</sup> (kg/m <sup>3</sup> )	61.7 (990)	61.5 (980)	61.3 (980)	61.1 (980)	60.6 (970)	60.0 (960)	59.5 (950)



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