

EPS Geofoam Properties

Property		ASTM D6817					
		EPS15	EPS19	EPS22	EPS29	EPS39	EPS46
Density ¹ , min.	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 ¹ @ 1% deformation, min.	psi	3.6	5.8	7.3	10.9	15.0	18.6
	psf (kPa)	520 (25)	840 (40)	1050 (50)	1570 (75)	2160 (103)	2680 (128)
Flexural Strength ¹ , min.	psi (kPa)	25.0 (172)	30.0 (207)	40.0 (276)	50.0 (345)	60.0 (414)	75.0 (517)
Oxygen Index ¹ , min.	volume %	24.0	24.0	24.0	24.0	24.0	24.0

Additional Properties for Compressible Applications

Compressive Resistance ¹ @ 5% deformation, min.	psi	8.0	13.1	16.7	24.7	35.0	43.5
	psf (kPa)	1150 (55)	1890 (90)	2400 (115)	3560 (170)	5040 (241)	6260 (300)
Compressive Resistance ¹ @ 10% deformation, min.	psi	10.2	16.0	19.6	29.0	40.0	50.0
	psf (kPa)	1470 (70)	2300 (110)	2820 (135)	4180 (200)	5760 (276)	7200 (345)