

Benchmark Foam Geofoam is manufactured to the following ASTM D6817-07 guidelines\*

Specification Reference (ASTM –D 6817-07)		EPS12	EPS15	EPS19	EPS22	EPS29	EPS39	EPS46
Density, min.	lb/ft <sup>3</sup>	0.70	0.90	1.15	1.35	1.80	2.40	2.85
	Kg/m <sup>3</sup>	11.2	14.4	18.4	21.6	28.8	38.4	45.7
Compressive Resistance @ 1% deformation min.	psi	2.2	3.6	5.8	7.3	10.9	15.0	18.6
	kPa	15	25	40	50	75	103	128
Flexural Strength, min.	psi	10.0	25.0	30.0	40.0	50.0	60.0	75.0
	kPa	69	172	207	276	345	414	517
Oxygen Index, min.	Vol. %	24.0	24.0	24.0	24.0	24.0	24.0	24.0
Water absorption by total immersion, max.	Vol. %	4.0	4.0	3.0	3.0	2.0	2.0	2.0
Buoyancy Force	lb/ft <sup>3</sup>	61.7	61.5	61.3	61.1	60.6	60.0	59.5
	Kg/m <sup>3</sup>	990	980	980	980	970	960	950
Additional Properties For Compressible Applications		EPS12	EPS15	EPS19	EPS22	EPS29	EPS39	EPS46
Compressive Resistance @ 5% deformation, min.	psi	5.1	8.0	13.1	16.7	24.7	35.0	43.5
	kPa	35	55	90	115	170	241	300
Compressive Resistance @ 10% deformation, min.	psi	5.8	10.2	16.0	19.6	29.0	40.0	50
	kPa	40	70	110	135	200	276	345

\* See ASTM D6817-07 Standard for test methods and complete information