

## Physical Property Requirements of RCPS Geofoam

drawings.

Type	EPS12	EPS15	EPS19	EPS22	EPS29	EPS39
Density, min. Kg/m3(lb/ft3)	11.2 (0.70)	14.4 (0.90)	18.4 (1.15)	21.6 (1.35)	28.8 (1.80)	38.4 (2.40)
Compressive Resistance, min. kPa (psi) at 1%	15 (2.2)	25 (3.6)	40 (5.8)	50 (7.3)	75 (10.9)	103 (15.0)
Compressive Resistance, min. kPa (psi) at 5%	35 (5.1)	55 (8.0)	90 (13.1)	115 (16.7)	170 (24.7)	241 (35.0)
Compressive Resistance, min. kPa (psi) at 10 %	40 (5.8)	70 (10.2)	110 (16.0)	135 (19.6)	200 (29.0)	276 (40.0)
Flexural Strength, min. kPa (psi)	69 (10.0)	172 (25.0)	207 (30.0)	276 (40.0)	345 (50.0)	414 (60.0)
Oxygen index, min. Volume %	24.0	24.0	24.0	24.0	24.0	24.0