

ASTM D6817

Geofoam | Expanded Polystyrene Physical Property Requirements

TYPE		EPS12	EPS15	EPS19	EPS22	EPS29	EPS39	EPS46
PROPERTY	ASTM TEST	VALUES						
Density lb/ft3	D162	.70 min.	.90 min.	1.15 min.	1.35 min.	1.80 min.	2.40 min.	2.85 min.
Compressive Resistance Min. psi @ 1% Min. psi @ 5% Min. psi @ 10%	D1621 D1621 D1621	2.2 5.1 5.8	3.6 8.0 10.2	5.8 13.1 16.0	7.3 16.7 19.6	10.9 24.7 29.0	15.0 35.0 40.0	18.6 43.5 60.0
Flexural Strength Min.psi	C203	10	25	30	35	50	60	75
Oxygen Index Min. Volume %	D2863	24	24	24	24	24	24	24
Water Absorbtion (by total immersion) Max % by volume	C272	4.0	4.0	3.0	3.0	2.0	2.0	2.0