

ASTM D6817

Geofoam | Expanded Polystyrene

Physical Property Requirements

TYPE		EPS12	EPS15	EPS19	EPS22	EPS29	EPS39	EPS46
PROPERTY	ASTM TEST	VALUES						
Density lb/ft ³	D1622	.70 min.	.90 min.	1.15 min.	1.35 min.	1.80 min.	2.40 min.	2.85 min.
Compressive Resistance								
Min. psi @ 1%	D1621	2.2	3.6	5.8	7.3	10.9	15.0	18.6
Min. psi @ 5%	D1621	5.1	8.0	13.1	16.7	24.7	35.0	43.5
Min. psi @ 10%	D1621	5.8	10.2	16.0	19.6	29.0	40.0	50.0
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

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