

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 | 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 |

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