

Our products make your projects better.

High strength, low absorption, lightweight aggregate delivers reduced lateral pressures, dramatic freight savings, reduced placement costs, insulative qualities and a stable, high angle of repose.

Experience the cost effective alternative for geotechnical applications with **Stalite Lightweight Fill**.

Benefits

- High Angle of Internal Friction
- Free Draining
- Economical to Transport & Place
- High Strength Vitrified Ceramic
- Consistent Gradations

Applications

- Retaining Walls & Bulkheads
- Landscape and Plaza Fill
- Green Infrastructure
- MSE Walls
- Transportation Infrastructure
- Slope/Subgrade Stabilization & Repair

Property	Description	Test Method	Result
Dry Loose Density	Minimum Density	ASTM D-4254	48 pcf
Dry Compacted Density	Maximum Density	ASTM D-4253	58 pcf
Strength	Angle of Internal Friction	ASTM D 3080	42° – 46°
Gradation	Sieve Analysis	ASTM C-136	¾" x No.4
Soundness	Magnesium Sulfate	ASTM C-88	< 1.0%
Abrasive Resistance	LA Abrasion Modified	ASTM C-131 B Grading FM 1-T 096	25% – 30%
Permeability		ASTM D-2434	> 1 cms
Resistivity Field (stockpiled) Lab	Four Terminal Method Resistivity Meter	AASHTO T288	> 30,000 ohm-cm
pH	pH Meter	AASHTO T289	7 – 9
Chloride Content	Chloride Content of Soils	AASHTO T291	< 100 ppm
Sulfate Content	Sulfate Content of Soils	AASHTO T290	< 200 ppm
Organic Content		AASHTO T267	0
Typical In-Place Compacted Moist Density	Compaction Using Standard Effort	ASTM D 698 Modified	55-60 pcf 880 – 960 kg/m ³
Loose Bulk Density	Loose Unit Weight	ASTM C29	48-55 pcf