



AeroAggregates UL-FGA G15

Ultra-Lightweight Foamed Glass Aggregate

Density (Unit Weight)

| | |
|--|---------------|
| Uncompacted dry bulk density (ASTM C29/C29M/ AASHTO T 19) ¹ | 12-15 pcf |
| Estimated compacted dry density | |
| 1.11 Compression Ratio (10% Compaction of Each Lift) | 13.3-16.7 pcf |
| 1.25 Compression Ratio (20% Compaction of Each Lift) | 15-18.8 pcf |
| Estimated buoyant unit weight | -15 pcf |

Typical Gradation Characteristics (uncompacted) [ASTM C136/ AASHTO T 27] ¹

| | |
|-----|------------------|
| D85 | 2.5" (maximum) |
| D15 | 0.375" (minimum) |

Physical Characteristics

| | |
|---|--------------------|
| Moisture Content | |
| Volumetric (%) | 0-10 (6% typical) |
| Gravimetric (%) [ASTM C566/ AASHTO T 255] ¹ | 0-60 (25% typical) |
| Particle Specific Gravity (AASHTO T 85) | 0.38 |
| Porosity | |
| Uncompacted | 0.5 |
| 1.25 Compression Ratio | 0.38 |
| Soundness (% Loss) | |
| Magnesium Sulfate (ASTM C88/AASHTO T 104) ¹ | 4.1-14 |
| Sodium Sulfate (ASTM C88/AASHTO T 104) ¹ | 3.1- 6.9 |
| Stability | |
| Angle of internal friction – loose | 45° |
| Angle of internal friction – up to 1200 psf (ASTM D3080) ¹ | 55° |
| Angle of internal friction – up to 3000 psf (ASTM D3080) ¹ | 41° |

¹Modified test method due to particle size/density



Physical Characteristics (cont.)

| | |
|-------------------------------|---------------|
| Impurities | |
| Clay lumps (ASTM C142) | 0 |
| Organic impurities (ASTM C40) | 0 |
| Popouts (ASTM C151) | 0 |
| Electrical Resistance | |
| Lab (AASHTO T 288) | 15,600 ohm-cm |

Chemical Characteristics

| | |
|--------------------------------|--------------|
| Ignition loss (ASTM C114) | 0 |
| Sulfates (ppm) [AASHTO T 290] | 11 |
| Chlorides (ppm) [AASHTO T 291] | <10 |
| TCLP (SW-846) | Non-leaching |

Daily Quality Control Testing

| | |
|--|------------|
| Bulk dry density, maximum [EN 1097-3] ¹ | 15 pcf |
| Compressive Strength at 20% Deformation, minimum [EN 1097-11] ¹ | 15,000 psf |

Advantages

| | | | |
|------------------|-----------------|--------------------|--------------------------|
| Good Insulator | Capillary Break | Freeze-Thaw Stable | Rodent Resistant |
| Highly-Permeable | Volume Stable | Non-Flammable | Accelerated Construction |

Shipping & Handling 100 CY/Truckload

By shipping up to 100 CY per truckload, we are not only reducing the number of trucks on the road, helping logistics, but we also are reducing the carbon footprint of your aggregate needs.

Material can also be supplied in super sacks for easy placement on sites with confined access.

¹Modified test method due to particle size/density

For more information, please visit aeroaggregates.com or call (833) 261-8499.



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