# Hess Grade ⅛ minus

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## PARTICLE SIZE SPECIFICATION GRADE ⅛ fines

| SIZE | | ALLOWABLE PERCENT PASSING |
|---|---|---|
| MICRON | U.S. MESH | |
| 4750 | 4 | 100 |
| 2380 | 8 | 90-100 |
| 1180 | 16 | 60-90 |
| 600 | 30 | 40-80 |
| 300 | 50 | 25-60 |
| 150 | 100 | 10-30 |
| 75 | 200 | 0-15 |

TEST METHOD: ASTM C136-06

## LOOSE BULK DENSITY GRADE ⅛ fines

**64** lbs/per cubic foot (ASTM C29)

## CHEMICAL ANALYSIS AND PHYSICAL PROPERTIES

**Chemical Name**: Amorphous Aluminum Silicate

| TYPICAL ANALYSIS | GENERAL PROPERTIES |
|---|---|
| • Silicon Dioxide: 76.2% | • Appearance: White powder |
| • Aluminum Oxide: 13.5% | • Hardness (MOHS): 6 |
| • Ferric Oxide: 1.1% | • pH: 7.2 |
| • Ferrous Oxide: 0.1% | • Radioactivity: None |
| • Sodium Oxide: 1.6% | • Softening Point: 900 degrees C |
| • Potassium Oxide: 1.8% | • Water Soluble Substances: 0.15% |
| • Calcium Oxide: 0.8% | • Loss on Ignition - 5% |
| • Titanium Oxide: 0.2% | • GE Brightness: 84 |
| • Magnesium Oxide: .05% | • Specific Gravity: 2.35 |
| • Moisture: <1.0% | • Reactivity: Inert (except in the presence of calcium hydroxide or hydrofluoric acid) |
| • Crystalline $Si0_2$: None Detected | |

## DESCRIPTION

Amorphous (non-crystalline) in structure and composed primarily of aluminum silicate, pumice is a naturally calcined volcanic glass foam consisting of highly vesicular strands permeated with tiny air bubbles. It is these frothy, friable glass vesicles that, when carefully refined to various grades, give pumice its unique and infinitely useful qualities.

## GRADE APPLICATIONS

**Used for**: lightweight block aggregate, soil conditioner, lightweight engineered soils, spill absorbent, bulking agent.

## PACKAGING OPTIONS

- 50 lb sacks (palleted)
- 2000 lb super sacks (palleted)
- Bulk shipped in rail car or tractor trailer

## DISTRIBUTOR NETWORK

We have stocking distributors in 23 countries on every continent except Antarctica, allowing us to deliver pumice quickly and economically worldwide.

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