

# Hess Grade: -200

ADDITIONAL GRADE SHARING THESE SPECS: **-200 LHM\***

## PARTICLE SIZE SPECIFICATION GRADE -200

SIZE			ALLOWABLE PERCENT PASSING
MICRON	MM	U.S. MESH	
90	0.09	170	99.5-100
75	0.075	200	99-100
63	0.063	230	85-95
45	0.045	325	30-60

TEST METHOD: ASTM C136-06

## LOOSE BULK DENSITY GRADE -200

**46 lb/per cubic foot [736.8 kg/per cubic meter]** (ASTM C29)

## CHEMICAL ANALYSIS AND PHYSICAL PROPERTIES

**Chemical Name:** Amorphous Aluminum Silicate

### TYPICAL ANALYSIS

- Silicon Dioxide: 76.2%
- Aluminum Oxide: 13.5%
- Ferric Oxide: 1.1%
- Ferrous Oxide: 0.1%
- Sodium Oxide: 1.6%
- Potassium Oxide: 1.8%
- Calcium Oxide: 0.8%
- Titanium Oxide: 0.2%
- Magnesium Oxide: .05%
- Moisture: <1.0%
- Crystalline SiO<sub>2</sub>: None Detected

### GENERAL PROPERTIES

- Appearance: White powder
- Hardness (MOHS): 6
- pH: 7.2
- Radioactivity: None
- Softening Point: 900 degrees C
- Water Soluble Substances: 0.15%
- Loss on Ignition - 5%
- GE Brightness: 84
- Specific Gravity: 2.4
- Reactivity: Inert  
(except in the presence of calcium hydroxide or hydrofluoric acid)

## GRADE APPLICATIONS

- PCB and glass polishing

## PACKAGING OPTIONS

- 1 or 2.5 lb resealable bags
- 20 lb [9 kg] box
- 50 lb [22.6 kg] bags
- 2000 lb [907 kg] super sacks (palletted)
- Bulk shipped in rail car or tractor trailer

## 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.

**Safe to Use.** No hazardous crystalline structure: testing for crystalline silica (airborne particles of respirable size) finds no measurable Crystalline Silica (SiO<sub>2</sub>) present. Free of heavy metals, pesticides, nano-particles, allergens.

\* **Low Heavy Mineral (LHM).** LHM-designated grades receive additional processing to remove obsidian and other igneous heavier-than-pumice (non-pumice) minerals.

## ORDER

- Samples, small quantities, and single production bags (up to 3): order direct from the [PumiceStore.com](http://PumiceStore.com)
- Partial pallets, full pallets, truckloads: contact us at [sales@hesspumice.com](mailto:sales@hesspumice.com) or call **208-766-4777**



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*Mining and refining the purest commercial deposit of white pumice on the planet.*