

# Hess Grade -200 LHM

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## PARTICLE SIZE SPECIFICATION GRADE -200 LHM

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

## LOW HEAVY MINERAL GRADE -200 LHM

Heavy Mineral: ≤ 0.30

## LOOSE BULK DENSITY GRADE -200 LHM

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)

## 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: PCB and glass polishing.

## PACKAGING OPTIONS

- 1 lb or 1 kg resealable bag
- 55 lb [25 kg] bags (palletted)
- 2000 lb [907 kg] super sacks (palletted)
- 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.



**Hess** | **PUMICE**  
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