

# Hess Grade -120 LHM

ISSUE 1992  
REVISION 4/2001  
REVIEW 4/2002

## PARTICLE SIZE SPECIFICATION GRADE -120 LHM

SIZE		ALLOWABLE PERCENT PASSING
MICRON [MM]	U.S. MESH	
125 [0.125]	120	99-100
106 [0.106]	140	90-97
75 [0.075]	200	50-70
45 [0.045]	325	0-30

TEST METHOD: ASTM C136-06

## LOW HEAVY MINERAL GRADE -120 LHM

Heavy Mineral: ≤ 0.30

## LOOSE BULK DENSITY GRADE -120 LHM

47 lb/per cubic foot [752.8 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: Glass grinding, polishing

## PACKAGING OPTIONS

- 1 lb or 1 kg resealable bags
- 42 lb [19 kg] bags (palletted)
- 45 lb [20.4 kg] bags (palletted)
- 1433 to 2200 lb [650 / 998 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**  
IDAHO USA

(208) 766-4777 x111 • email: rd@hesspumice.com  
www.hesspumice.com