

Hess Grade 1/2

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PARTICLE SIZE SPECIFICATION GRADE 1/2

SIZE		ALLOWABLE PERCENT PASSING
MICRON [MM]	U.S. MESH	
300 [0.3]	50	99.5-100
250 [0.25]	60	70-80
180 [0.18]	80	4-16
150 [0.15]	100	0-8
75 [0.075]	200	0-4

TEST METHOD: ASTM C136-06

LOOSE BULK DENSITY GRADE 1/2

55 lb/per cubic foot [881 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 SiO₂: 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: concrete surfacing additive, cosmetics exfoliant grit, dental compounds and denture finishing, erasers, pumice stones (cosmetic), hand soaps.

PACKAGING OPTIONS

- 1 lb or 1 kg resealable bags
- 45 lb [20.4 kg] bags (palletted)
- 55 lb [25 kg] bags (palletted)
- 1800 lb [816 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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Mining and refining the purest commercial deposit of white pumice on the planet.