Hess Grade FFFD

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PARTICLE SIZE SPECIFICATION GRADE FFFD

SIZE		ALLOWABLE PERCENT PASSING
MICRON/MM	U.S. MESH	
106/0.106	140	99.5-100
90/0.090	170	99.5-100
75/0.075	200	94-100
45/0.045	325	69-83
TEST METHOD: ASTM C136-06		

LOOSE BULK DENSITY GRADE FFFD

736.8 kgs/per cubic meter (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
• Crystalline SiO_2: None Detected	(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: finish aircraft cockpits, circuit board prep, copper plated panel prep, chrome cleanser, cosmetic exfoliant grit, dental compounds, erasers, glass cleaner, hand soaps, tumbling media, wood finishing.

PACKAGING OPTIONS

- 20.41 kg sacks (palleted)
- 907.18 kg super sacks (palleted)
- Bulk shipped in pneumatic 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
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Mining and refining the purest commercial deposit of white pumice on the planet.