



PONICS STONE STANDARD  
 PONICS STONE PREMIUM  
 PONICS STONE PEA STONE  
 PONICS STONE GRANULAR

**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: 2.35
- 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 give pumice its ability to function as a horticultural grow media and soil amendment.

**PACKAGING OPTIONS**

- 20 lb. box (online orders)
- 35 to 50 lb. sacks, depending on grade (palletted)
- 2000 lb. super sacks (palletted)

**PARTICLE SIZE SPEC • STANDARD (3/4 X 5/16)**

SIZE		ALLOWABLE PERCENT PASSING
MM	U.S. MESH	
19.0	3/4	95-100
4.75	4	0-20

**PARTICLE SIZE SPEC • PREMIUM (5/16C)**

SIZE		ALLOWABLE PERCENT PASSING
MM	U.S. MESH	
9.5	3/8	98-100
8	5/16	40-80

**PARTICLE SIZE SPEC • PEA STONE (3/8 X #8)**

SIZE		ALLOWABLE PERCENT PASSING
MM	U.S. MESH	
9525	3/8	98-100
4750	4	30-75
2360	8	0-20
300	50	0-12
150	100	0-10

**PARTICLE SIZE SPEC • GRANULAR (1/16 X 1/32)**

SIZE		ALLOWABLE PERCENT PASSING
MM	U.S. MESH	
4750	4	99.5-100
1400	14	0-15
600	30	0-7



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