

# Compost Sugar™

## PARTICLE SIZE SPECIFICATION COMPOST SUGAR

SIZE			ALLOWABLE PERCENT PASSING
MICRON	MM	U.S. MESH	
4750	4.75	4	100
2380	2.38	8	90-100
1180	1.18	16	60-90
600	0.6	30	40-80
300	0.3	50	25-60
150	0.15	100	10-30
75	0.075	200	0-15

TEST METHOD: ASTM C136-06

## LOOSE BULK DENSITY COMPOST SUGAR

**64 lb/per cubic foot (damp) [1025 kg/per cubic meter]** (ASTM C29)



**ABOVE:** Compost Sugar has a 1/8-inch top-end stone size with extensive fines content. **RIGHT:** Compost Sugar is layered into the compost feedstock, providing a buffer to the volatilization taking place in the decomposing matter, mitigating nitrogen loss, and providing inert bulk that improves airflow. Then, once in the soil, pumice provides long-term soil performance improvement on a structural level, long after the compost is consumed.



**NITROGEN RETENTION • ODOR CONTROL  
AMENDS POORLY STRUCTURED SOILS**



## PACKAGING OPTIONS

- 20 lb [9 kg] box
- 45 lb [20.4 kg] pails
- 900 lb [408 kg] super sacks (palletted)
- 2000 lb [907 kg] super sacks (palletted)
- Bulk shipped in rail car or tractor trailer

## ORDER

- Samples, small quantities: order direct from the **PumiceStore.com**
- Palletted super sacks, truckloads: contact us at [sales@hesspumice.com](mailto:sales@hesspumice.com) or call 208-766-4777



(208) 766-4777 • [www.hesspumice.com](http://www.hesspumice.com)

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

## PUMICE TECHNICAL DATA

Chemical analysis, physical properties, and other common data shared by all Hess Pumice grades are detailed on back.

# Hess Pumice Technical Data

## 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: 2.2
• Moisture: <1.0%	• Reactivity: Inert
• Crystalline SiO <sub>2</sub> : 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.

## NOTES

- Chemical analysis and physical properties provided are common to all raw Hess pumice grades.
- **Grade Variety.** The natural, hard-yet-friable character of our pumice combined with our crushing and screening expertise allow us to offer pumice grades and grade blends down to 3 microns.
- **Safe to Use.** No hazardous crystalline structure: testing for crystalline silica (airborne particles of respirable size) finds no measurable Crystalline Silica (SiO<sub>2</sub>) present. Free of heavy metals, pesticides, nano-particles, allergens. Certified organic input material.
- **Purity:** As the result of centuries of wave action from a now-extinct inland sea, our pumice is remarkably pure. Our mine grades are typically comprised of 98% pumice and 2% other igneous minerals, which are not removed through our mining processes.
- **Storage:** Keep dry and protected from the elements until use.



*Pumice is a foamed glass stone naturally expanded by explosive volcanic eruption.*