



PUMICE PRODUCTS, INC.

P.O. Box 209
 Malad Industrial Park
 Malad, Idaho 83252-0209
 Telephone (208) 766-4777 Fax (208) 766-4776

Fact Sheet

Drilling/Cementing Services Products

www.hesspumice.com

salesmgr@hesspumice.com

Physical Properties

Chemical Name: Amorphous Aluminum Silicate

Typical Values

Hardness (Mohs Scale).....	6.1
pH.....	7.2
Radioactivity.....	0
Loss On Ignition.....	5%
Iron as Fe.....	No Blue Color
Water Soluble Substance.....	.15%
Acid Soluble Substance.....	2.9%
Softening Point.....	900° C

Chemical Analysis

Typical %

Silicon Dioxide.....	SiO ₂	71.5
Aluminum Oxide.....	Al ₂ O ₃	13.5
Ferric Oxide.....	Fe ₂ O ₃	1.1
Ferrous Oxide.....	FeO	0.1
Moisture.....	H ₂ O	3.4
Sodium.....	Na	0.6
Potassium.....	K	1.8
Calcium.....	Ca	1.5
Titanium Oxide.....	TiO ₂	0.2
Sulfur Trioxide.....	SO ₃	0.1
Magnesium Oxide.....	MgO	0.5

Lightweight Aggregate

Lightweight Aggregate

Premixed Ultrafine Compound

<u>DS-200</u>		
Specification		
<u>Mesh</u>	<u>% Passing</u>	<u>Typical</u>
200	99-100	99%
325	80-100	83%
Average Particle Size (APS) < 20µ		

<u>DS-325</u>		
Specification		
<u>Mesh</u>	<u>% Passing</u>	<u>Typical</u>
200	99.5-100	100%
325	90-100	93%
Average Particle Size (APS) < 15µ		

<u>Ultrafine Grout</u>		
Specification		
<u>Micron</u>	<u>dx</u>	<u>Typical</u>
<8	d90	7.7
4	d50	3.8
Average Particle Size (APS) < 4µ		

The above gradations are only typical. Normal production tolerances from the typical will be permitted as per the specification.

Test Method: Split sample to 50 grams and sieve dry for 10 minutes on sieve shaker. Use standard 8 inch U.S. mesh testing sieves. A trace is allowable on the next coarser screen. 'Ultrafine Grout' is measured with a Coulter laser-diffraction device.