



PUMICE PRODUCTS, INC.

P.O. Box 209

Malad Industrial Park

Malad, Idaho 83252-0209

Telephone (208) 766-4777 Fax (208) 766-4776

Fact Sheet

Chemical Analysis

Typical %

Physical Properties

	Typical Value
Amorphous Aluminum Silicate	
Hardness (Mohs Scale).....	6
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

Silicon Dioxide.....	SiO ₂	70.5
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	1.6
Potassium.....	K	1.8
Calcium.....	Ca	0.8
Titanium Oxide.....	TiO ₂	0.2
Sulfur Trioxide.....	SO ₃	0.1
Magnesium Oxide.....	MgO	0.5

TYPICAL SCREEN ANALYSIS OF GRADES AVERAGE PERCENT PASSING SIEVES

Sieve Mesh Size	-325	FFFF	FFF	FF	F	0	0 1/2	0 3/4	1/2	1	1 1/2	2	3	5	7	10	Micron
4																100	4750
8															100	73	2360
10														100	90	38	2000
14												100	100	77	65	7	1400
30												99	21	5	2	4	600
40										100	100	57	7				425
50									100	72	31	11	4				300
60							100	100	75	51	13	6	2				250
80						100	90	77	10	3	4						180
100	100					100	97	75	43	4							150
120						98											125
140				100	93	79	55	9									106
170		100	100	98													90
200	98	99	97	91	65	55	35	4	2								75
325	89	85	76	70													45
Unit wt.	45	45	45	50	55	55	60	55	50	50	47	41	43	43	41	42	Lbs./C.F.
A.P.S.	16	22	33	30	84	95	122	188	277	329	386	503	950	1330			Micron
Sp. Gr.	2.35	2.210	2.175	2.227	2.112	2.187	2.187	2.153	2.037	2.068	2.035	1.866	1.764	1.799	1.605	1.476	Gms./C.C.

The above graduations are only typical. Normal production tolerances from the typical will be permitted. A trace is allowable on the next coarser sieve.

Test Method: Split sample to 50 grams and shake for 10-20 minutes on Ro-Tap type sieve shaker. Use standard 8 inch U.S. mesh testing sieves.