



NATURAL VOLCANIC PERLITE®

MICRO FINE - Expanded Perlite

Super fine, low-density powder.

DRY SIEVE ANALYSIS

US Mesh	Microns	% Retained *	% Passing
#200	75	10 - 50	50 - 90
#325	45	40 - 90	10 - 60

* Cumulative percent retained by weight.

LOOSE BULK DENSITY: 8.0 - 10.0 lb/ft³ (130 - 160 kg/m³)

PRODUCT DETAIL

MICRO FINE expanded perlite consists of very fine, lightweight particles, the consistency of milled flour. As many as 50% of the particles are smaller than 45 µm. Virtually no intact bubbles are present. It is an ideal pressure filtration medium, useful for both pre-coat and body-feed applications. It has also found use as a low-density seed coat. Supreme Perlite NATURAL VOLCANIC PERLITE® products are sterile, ultra-lightweight, non-toxic, durable, incombustible, insulating, asbestos-free, pH-neutral, and compatible with most other substances.



SUPPLEMENTARY INFORMATION

Chemical Name	Sodium Potassium Aluminum Silicate
Appearance	White granules, odorless
pH (of water slurry)	Neutral
Fusion point	2,300 - 2,450 °F (1260 - 1350 °C)
Flash point	Non-flammable
Specific gravity	0.4 - 0.6 (approx.)
Solubility	Negligible in water and weak acids*
Wet cake density	11.0-12.0 lb/ft ³ (approx.)
Typical flow rate	>1 Darcy (0.6 - 0.7 ml/s)

Chemical Analysis	%
SiO ₂	74.6
Al ₂ O ₃	13.5
K ₂ O	5.1
Na ₂ O	3.6
CaO	0.9
Fe ₂ O ₃	0.7
MgO	0.1

* Soluble in hot concentrated alkali and HF; moderately (less than 10%) in 1N NaOH. Slightly (less than 3%) in mineral acid.

PACKAGING OPTIONS

- 4 cu. ft. (113 L) two-ply paper bags. 30 bags/pallet.
- 60 cu. ft. super sacks (2.2 cyd/1.7 m³). 2 super sacks/pallet.



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