



GENERAL DESCRIPTION

PRODUCT: Filter Aid Grade expanded perlite
DESCRIPTION: Fine-grade particles for use with vacuum or pressure filter presses. Also as a baghouse pre-coat.



DRY SIEVE ANALYSIS

US MESH	MICRONS	% RETAINED BY WT. (CUMULATIVE)	% PASSING
No. 200	75	10—50	50—90
No. 325	45	40—90	10—60
PAN	0	100	0

SUPPLEMENTARY INFORMATION

- **Wet cake density:** 11.0—12.0 lb/ft³ (approx.)
- **Typical flow rate:** >1 Darcy (0.6 — 0.7 ml/s)

CHEMICAL NAME: Sodium Potassium Aluminum Silicate
APPEARANCE: White powder, odorless
LOOSE BULK DENSITY: 8.0 — 10.0 lb/ft³
pH (OF WATER SLURRY): Neutral
REFRACTIVE INDEX: 1.5
HARDNESS (MOHS): 5.5
FUSION POINT: 2300 – 2450 °F
FLASH POINT: Non-flammable
SPECIFIC GRAVITY: 2.2 – 2.4

SOLUBILITY:
Negligible in water and weak acids.*

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



SUPREME PERLITE Filter Aid Grade consists of super fine particles of perlite air-classified for consistent performance. Particles range in size from U.S. Mesh 100-325 and finer.

Perlite filteraids come in a variety of grades and densities. They can be used for both body-feed and pre-coat applications. They are derived from naturally occurring amorphous volcanic glass, and generally contain little to no crystalline silica. Perlite filteraids are: 100% natural, inert, stable, pH-neutral, ultra-lightweight and have excellent flow rate characteristics.

Chemical Analysis	%
SiO ₂	74.0
Al ₂ O ₃	14.0
K ₂ O	4.5
Na ₂ O	3.6
CaO	0.9
Fe ₂ O ₃	0.7
MgO	0.1

PACKAGING OPTIONS

- 4 cu. ft. (113 L) paper bags
- 60 cu. ft. super sacks (2.2 yd/1.7 m³)