

GENERAL DESCRIPTION

PRODUCT: Fine expanded perlite
DESCRIPTION: Lightweight, mixed fine & grainy powder having applications in filtration and adsorption.



DRY SIEVE ANALYSIS

US MESH	MICRONS	% RETAINED BY VOL (CUMULATIVE)	% PASSING
No. 16	1190	0	100
No. 30	595	30 – 60	40 – 70

SUPPLEMENTARY INFORMATION

- Water-holding capacity
- 40-60% by volume
- Up to 800% by weight



CHEMICAL NAME: Sodium Potassium Aluminum Silicate
APPEARANCE: White powder & granules, odorless
LOOSE BULK DENSITY: 4.5 – 7.0 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
THERMAL CONDUCTIVITY: 0.27 - 0.41 Btu.in/h.ft2. °F @ 75 °F
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 Baghouse Fines consist of mixed fine silt-sized particles and small intact granules. Together, they form a matrix applicable to high-flow rate liquid filtration as well as a low-cost adsorbent or filler.

Useful as an adsorbent or conditioner for saturated soil or compost; in industrial waste-water recovery; liquid waste adsorption or spill kits.

Expanded perlite is 100% natural, inert, stable, pH-neutral, ultra-lightweight, incombustible and asbestos-free.

PACKAGING OPTIONS

- 4 cu. ft. (113 L) paper bags
- Bulk truckload (100 yd)
- 60 cu. ft. super sacks (2.2 yd/1.7 m³)
- 56 cu. ft. super sacks (2.1 yd/1.6 m³)

Mineral Content	Percent
SiO2	74.6
Al2O3	13.5
K2O	5.1
Na2O	3.6
CaO	0.9
Fe2O3	0.7
MgO	0.1