

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. 70 | 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/ft ³ |
| pH (OF WATER SLURRY): | Neutral |
| REFRACTIVE INDEX: | 1.5 |
| HARDNESS (MOHS): | 5.5 |
| FUSION POINT: | 2300 – 2450 °F |
| FLASH POINT: | Non-flammable |
| SPECIFIC GRAVITY: | 0.4—0.6 approx. |
| 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.

PACKAGING OPTIONS

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

SUPREME PERLITE Bag-house 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 filtration & recovery; liquid waste adsorption, spill kits, or as a functional filler in mixtures.

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

| 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 |