

GENERAL DESCRIPTION

PRODUCT: Medium Horticultural Grade Expanded Perlite

DESCRIPTION: For approved DOT Media Filter Drain mixes



DRY SIEVE ANALYSIS

US MESH	MICRONS	% RETAINED BY VOL (CUMULATIVE)	% PASSING
No. 4	4,760	0	100
No. 18	1,000	70 – 100	0 – 30
No. 30	595	90 – 100	0 – 10

SUPREME PERLITE Media Filter Drain Grade expanded perlite consists of medium to fine-grained particles roughly 1/8 - 3/16" in diameter. When used as a component in an approved DOT Media Filter Drain mix, the grains of perlite help with removal of Total Suspended Solids (TSS), oily deposits and other contaminants in roadway runoff and prevent them from reaching nearby waterways.

Perlite is a 100% natural, heat-expanded siliceous volcanic rock. It is inert, stable, pH-neutral, ultra-lightweight, incombustible, vermin and rot resistant and asbestos-free.

SUPPLEMENTARY INFORMATION

- CHEMICAL NAME:** Sodium Potassium Aluminum Silicate
- APPEARANCE:** White granules, odorless
- LOOSE BULK DENSITY:** 4.5 – 6.5 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.

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

PACKAGING OPTIONS

- 4 cu. ft. (113 L) poly bags
- 1.5 cu. ft. (42 L) poly bags
- 60 cu. ft. super sacks (2.2 yd/1.7 m³)
- 56 cu. ft. super sacks (2.1 yd/1.6 m³)

