

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

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.

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.

PACKAGING OPTIONS

- 60 cu. ft. super sacks (2.2 yd/1.7 m³)



Mineral Content	Percent
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