

TECHNICAL DATA SHEET OF EXPANDED
PERLITE

PERLITE

Crude perlite is an inorganic rock which is formed during volcanic eruptions. The rocks are purified and crushed into different sizes. This raw material is processed in special furnaces at a temperature of 950 C. During this process of expansion the bounded water in the ore evaporates. At the end of the expansion process a white, porous, lightweight granules named Perlite born.

Perlite is an environmental friendly product. It has a rough surface and an open structure so the granules contain a lot of air and can absorb water. Perlite as an additive in potting soils increases the percentage of air and provides better drainage.

APPLICATIONS OF PERLITE

Perlite may be used for a lot of applications and is an easy to use material. May add additives for potting soils, seed soils, and plugs to increase the air and water holding capacity of media and better drainage capacity. Also may use a carrier for animal food.

PHYSICAL PROPERTIES

- Inorganic, sterile and inert
- Free from germs, seeds, Insect and nematodes
- Light weight
- Airy
- High drainage capacity
- Good capillary properties

EXPANDED PERLITE	
COLOR	WHITE
FORM	ROUND - GRAIN
PH	6,5 – 7,5
EC	< 0,1
BULK DENSITY	50 – 110 kg / m ³

SIZES

- P2 : 0 – 2 mm
- P3 : 0 – 3,5 mm
- P4 : 0 – 7 mm

CHEMICAL FORM

	% RATE
Silicon	33,8
Aluminium	7,2
Potassium	3,5
Sodium	3,4
Iron	0,6
Calcium	0,6
Magnesium	0,2
Trace Elements	0,2
Oxygen	47,5
Bound Water	3
	100