EUROPOMICE

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Lightweight aggregates
UNI EN 13055-1

PUMICE SAND
FOR NURSERY GARDENING

COMPOSITION: **MAGMATIC CELL MINERAL NATURALLY EXTENDED**
Mixture of volcanic inerts coming from the extraction activities of northern Lazio, naturally calcined at high temperature, porous, insulating and lightweight.
Being a natural volcanic inert, it is recommended and suitable for nursery gardening applications where it is already widely used.

The materials used are of natural origin therefore they constitute a natural resource recovered without additional energy consumption and emissions of combustion gases into the atmosphere.

PHYSICAL AND CHEMICAL PROPERTIES:

- Total porosity: approx 60-65% V/V *
- Air volume pF1: approx 8% V/V *
- Water storage (pF0.7): approx 50-55% V/V *
- Liquid absorption: approx. 60-70 gr of water /100 gr of Dried Pumice
- pH: 7-8
- C.S.C.: approx. 30 meq/100g
- Contains no active limestone and free Crystalline Silica
- Chemical composition: see the attached table

MEDIUM CHEMICAL ANALYSIS of representative samples of the front quarry	
SiO_2	62,5 %
Al_2O_3	17,5 %
K_2O	9,5 %
Fe_2O_3	2,6 %
CaO	2,5 %
Na_2O	2,2 %
TiO_2	0,5 %
MgO	0,4 %
P.F.	2,3 %
pH	7 - 8

Imperial Measurements:
Liquid absorption: approx. 0.132-0.154 lb of water / 0.22 lb of Dried Pumice
C.E.C.: approx. 30 milliequivalents / 0.22 lb

FUNCTIONAL PROPERTIES:
Slow responding, naturally light, ideal and effective in:

- Substrate for roots (sowing, azaleas, transplanting, cultures outside the ground and hydro culture).
- Preparation of growing media: universal and specific (annual plants, acidophil plants, succulent plants, houseplants, turf, etc.) whether for pot plants or for the transplanting into the ground; professional growing media or botanical gardening outside and for protected cultures.
- Improvement of soil characteristics
- Mulching
- Hydroponics
- Cultures outside the ground
- Drainage
- Thermal insulation

AVAILABLE TYPES	GRAIN SIZE	APPARENT DENSITY At quarry humidity	LOOSE BULK DENSITY Dry material	SATURATION DENSITY (m.s.+ water pF0,7)
SAND	0 – 3 mm *	820 - 880 Kg/m^3	500 – 600 Kg/m^3	1500 - 1550 Kg/m^3
Imperial Measurements:				
SAND	6- US Mesh	51.19 – 54.94 lb/ft^3	31.21 – 37.46 Kg/m^3	93.64 – 96.76 Kg/m^3

** The grain size may include sand up to 4 mm.*

AVAILABLE BULK, in BIG-BAGS of 1.5 MC/each (53 cu/ft), in BAGS of 33 LT (7.26 gal) on pallets of 45 BAGS/each.

This mineral is a natural raw material. All data indicated above are therefore approximate and do not provide any warranty.