www.europomice.com info@europomice.it

MICRONIZED PUMICE 0-45 µm

COMPOSTION: NATURALLY EXPANDED AND KILN DRIED ALVEOLAR MAGMATIC MINERAL

PUMICE is the result of the natural extension of effusive magmatic mineral that has generated an alveolar product of remarkable lightness, with high porosity, great water retention, slow release of liquids and thermal and acoustic insulating properties.
The advantage of having a naturally expanded lightweight product involves maintaining the open cell alveolar structure, a unique feature of the pumice extracted in the Tuscany and Lazio mining area.
The subsequent kiln drying and screening enables a product, DRIED PUMICE, to be obtained that is free from natural humidity and suitable for many fields of application.

FIELDS OF APPLICATIONS	
FOLIAR TREATMENT TO DEFENSE AGAINST INSECTS AND PATHOGENS	SUPPORT FOR CHEMICAL PRODUCTS
FILTRATION AND ABSORBATION OF INDUSTIAL OILS AND LIQUIDS	SOFT ABRASIVES
PAINTS AND COATINGS	THERMAL INSULATION AND DEHUMIDIFYING PLASTERS
HAND CLEANER PASTE	DENTISTRY

PHYSICAL AND CHEMICAL PROPERTIES:

Thermal conductivity: λ = 0,11 W/(mK) (1)
Acoustic and thermal insulation
Transpiration
Excellent workability
Fire-resistant
Durability
Apparent density: 800 - 900 Kg/m^3
Residual moisture: < 2 %
Residue greater than 45 µm: 1%

LIQUID ABSORPTION

for 100 gr of dried Pumice:

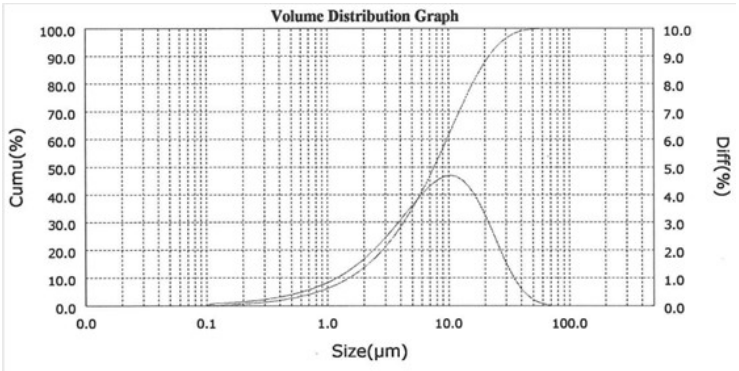
Water	approx. 100 gr
Lubricant oil	110 gr
Diesel fuel and Gasoline	80 gr

MEDIUM CHEMICAL ANALYSIS of representative samples of the front quarry	
SiO_2	56,8 % ± 5 %
Al_2O_3	18,8 % ± 5 %
K_2O	8,0 % ± 5 %
Fe_2O_3	4,2 % ± 5 %
CaO	4,5 % ± 5 %
Na_2O	1,9 % ± 5 %
TiO_2	0,5 % ± 5 %
MgO	1,6 % ± 5 %
P_2O_5	0,1 % ± 5 %
MnO	0,1 % ± 5 %
P.F.	3,9 % ± 5 %
pH	7-8

Mineral containing no active limestone and no Free Crystalline Silica

***Imperial Measurements**: Grain size 325- US Mesh. Apparent density 49.94-56.19 lb/ft^3. Residue greater than 325 US Mesh:1%. Liquid absorption for 0.22 lb. of Dried Pumice: approx Water 0.22 lb.-Lubricant oil 0.24 lb.-Diesel fuel and Gasoline 0.18 lb.*

GRAIN SIZE CURVE:



AVAILABLE BULK, in BIG-BAGS of 1000 kg (2204 *lb/each*), in BAGS of 20 kg (44 lb)/each
STORAGE: store the product in a sheltered and dry place

(1) Certificated by Politecnico of Torino n. 1447/04
(2) The specific weight is indicative and is referring to average values in batches of industrial production. Possible variations are a result of potential phenomena of segregation between the fine and gross parts.

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MICRONIZED PUMICE 0-45 µm
CORROBORATING

PLANT DEFENCE BOOSTER
Natural origin substance that enhances plant resistance to biotic and abiotic stresses

PRODUCT TRADE NAME
MICRONIZED PUMICE 0-45 µm
STONE OR ROCK POWDER

COMPOSITION
PRODUCT OBTAINED BY GRINDING PUMICE ROCK AS IS AND SUBSEQUENT DRYING

COMPOSITION N PERCENTAGE ORDER OF THE WEIGHT OF THE COMPONENTS (AVERAGE)
- Volcanic glass 89.2%
- Sanidine 3.6%
- Muscovite 3.0%
- Quartz 2.3%
- Andesine 1.9%

AGRONOMICAL FUNCTION AND ACTION MODE:
Due to the particular crystalline structure of MICRONIZED PUMICE 0-45 µm and its ability to absorb excess humidity, with simple foliar applications, it is possible:
- Create a real barrier against insects phytophagous and with sucking stinging apparatus
- Obtain a healing effect on lesions caused by hail and parasites action
- Increase resistance to the burning action of the sun, UVA rays, temperature changes, and high temperatures.

RECOMMENDED DOSAGE AND METHOD OF USE
Liquid treatment

Vine - Olive

Dosage: 300-400 gr/hl (Kg 3-4/ha). When: after plant revival, every 7-15 days depending on rain and/or moisture. On bunches and fruits, until the start of the veraison period, 2-3 treatments in order to improve mechanical resistance of bunches and fruits.

Fruit trees

Dosage: 200-300 gr/hl (Kg 2-3/ha). When: from post-blossoming to fruit growing period, every 7-15 days depending on rain and/or moisture.

Actinidia - Citrus fruits

Dosage: 300-400 gr/hl (Kg 3-4/ha). When: after plant revival, every 7-15 days depending on rain and/or moisture. On fruits, until the start of the veraison period, 2-3 treatments in order to improve mechanical resistance of bunches and fruits.

Fruit plants

Dosage: 200-300 gr/hl (Kg 2-3/ha). When: from post-blossoming to fruit growing period, every 7-15 days depending on rain and/or moisture.

Leafy vegetables and aromatic plants

Dosage: 200-300 gr/hl (Kg 2-3/ha). When: once every 7 – 10 days

PRECAUTIONS FOR USE AND WARNINGS
MICRONIZED POMICE 0-45 µm is a natural product that contains no Free Crystalline Silica.
The fineness of the particles, which is the basis of the product's functioning, implies the use of appropriate personal protective equipment to prevent inhalation.

Product allowed in organic farming

CLP CLASSIFICATION AS REFERRED TO IN EC REGULATION 1272/2008: NOT HAZARDOUS

STORAGE: store the product in a sheltered and dry place

This mineral is a natural raw material. All data indicated above are average production values and do not provide any warranty.