



# Perlite

## Other Names

None

## Description

Celatom® perlite is a hydrated, naturally-occurring volcanic rock. Its unique structure consists of numerous concentric layers, similar to the layers in an onion. Its natural color ranges from light pearl gray to dark gray. The distinguishing feature which sets perlite apart from other volcanic siliceous rocks is that when heated above 1600°F, it expands up to 20 times its original size. The expansion is due to the presence of water (nearly 5%) trapped in the crude ore.

When processed at proper temperature, the crude ore “pops” in a manner similar to popcorn. During the material processing, the combined water vaporizes, creating countless tiny bubbles that account for the amazing light weight and other exceptional properties of Celatom® perlite.

## Properties

Perlite filter aids are available in a full range of grades with specific permeabilities which produce varying degrees of clarification. The products are functionally similar to DE filter aids; however, they typically have bulk densities about half that of DE. Perlite is used to filter juices, waste water, beverages, and industrial chemicals. They are produced from inert silicate minerals and meet the purity requirements of many applications, except those requiring the highest degree of clarification (such as polishing).

## Directions for use

Filtration/Clarification

## Dosage

Consult with your ATP representative to select the proper grades for the medium to be filtered and determining dose rates.

## Hazard Warning

See MSDS

Packaging  
Varies