

**PERLITE: EXPANDED
FILTER AID**CAS No. EINEC No. HS Code
93763-70-3

Perlite is a generic term for naturally occurring volcanic glass. When heated to 1600 degrees F, it expands 20 times its original volume. Tiny glass-like beads are produced, with excellent absorbing properties. It is very light weight and a better filter aid than diatomaceous earth. Perlite filter aids offer high flow rates with optimum clarity. Very low density and high absorbing characteristics provide users with a density advantage of 30-50% over other filter aids.

PHYSICAL DATA

Chemical Formula	Alumino Silicate glass (Sodium Potassium Aluminosilicate)
Appearance	White to gray powder
Refractive Index	1.5
pH (in water)	6.5 - 8
Mesh Size	4 - 100 mesh (or as per customer specifications)
Specific Gravity	2.2 - 2.4
Bulk Density (dry powder)	6 - 12 lb/cubic foot (100 - 200 kg/cubic meter)
Density (filter cake)	7 - 17 lb/cubic feet (110 - 270 kg/cubic meter)
Free Moisture	0.5% max
Solubility	Soluble in hot concentrated alkali and Hydrogen Fluoride

CHEMICAL SPECIFICATIONS (Typical Values)

Silicon	33.8%
Al	7.2%
Potassium	3.5%
Sodium	3.4%
Iron	0.6%
Calcium	0.6%
Magnesium	0.2%
Trace	0.2%
Oxygen	47.5%
Combined Water	3.0%

PACKING

5 kg / 11 lb. Poly-lined multi-ply paper sacks (palletized)

USES

Excellent filter aid for liquids.
Water purification; treatment of wastewater/sludge.
In construction industry - as loose fill insulation
In horticulture - due to excellent water retention properties

The information provided herein is believed to be reliable, however, no guarantees are made or liability assumed.

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