CERALITE-A

WATEROPOLIS

What is Ceralite-A? Ceralite-A is a fired expanded clay, highly textured filter media.
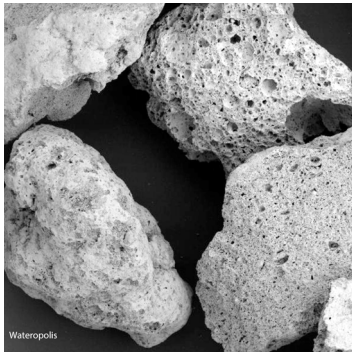
Where is it used? Ceralite-A is added to or used as an alternate to anthracite.

Why is it used? It is used in gravity filtration alone or on top of filter sand or as an anthracite cap.

Ceralite-A is an expanded clay (ceramic) granular media with an extremely rough external texture. The surface pores of Ceralite-A are generally in the 1 – 70 micron range.

Ceralite-A is ideal for pressure filter applications such as:
- Biological Filtration
- Surface Water Filtration
- Ground Water Filtration
- Iron and Manganese Removal
- Industrial Filtration

PRODUCT SPECIFICATIONS

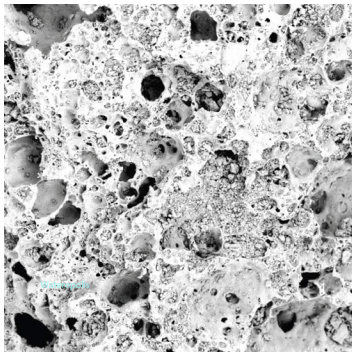| Parameter	Ceralite-A
Effective Size	1.00 mm — 5.00 mm (18-4 Mesh)
Uniformity Coefficient	< 1.5 (<1.3 Typical)
Density (hydrated)	49 lbs/ft^3 (0.79 g/cm^3)
Bulk Density (dry)	34 lbs/ft^3 (0.54 g/cm^3)
Acid Solubility	<5% (<1.0% typical)

Ceralite-A out performs anthracite as a filtration media and backwashes at lower rates saving backwash water. It can also be used to cap anthracite to increase filter UFRV's.

Ceralite-A has an exceptionally high surface area making it excellent for growing bio-film and it can be coated with all types of metal oxides including Mn02 for iron and manganese removal.

Ceralite-A is an inert and non-reactive media that is compatible with acid, caustic and all types of oxidants.

Ceralite-A is typically packaging is 27 ft^3 (0.76 M^3) bulk bags.

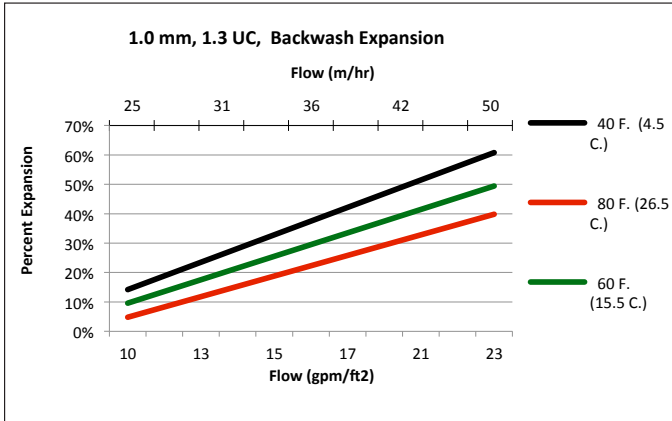Various effective sizes and uniformity coefficients are available upon request.

CONTACT US

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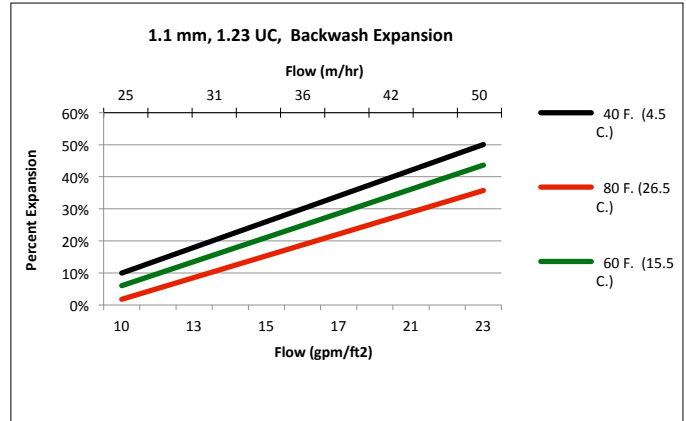
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TYPICAL OPERATIONAL SPECIFICATIONS

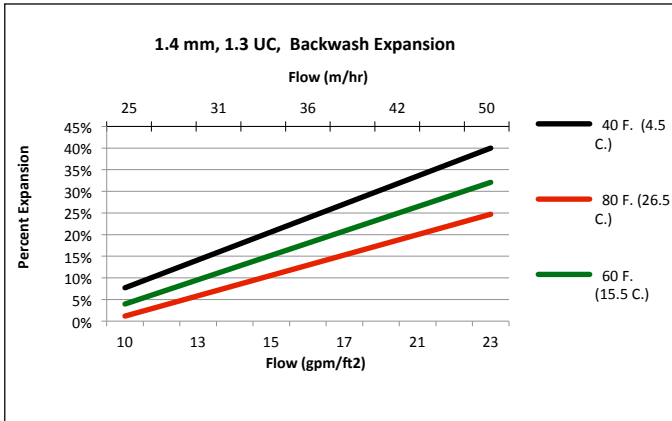* Materials listed below are examples – other effective sizes and uniformity coefficients available upon request.
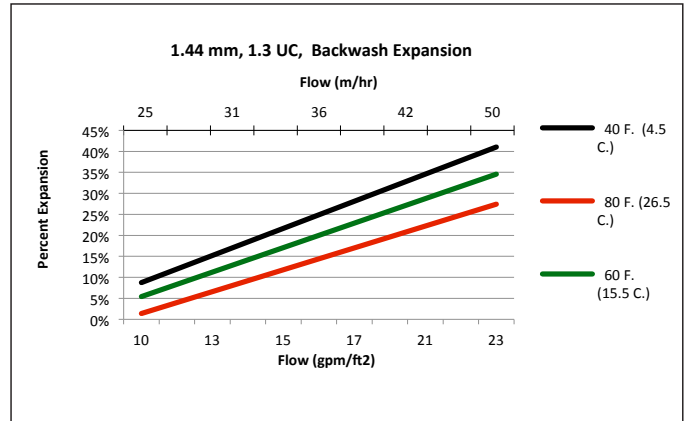
Ceralite-A 1.0 mm

1.0 mm, 1.3 UC, Backwash Expansion

Ceralite-A 1.1 mm

1.1 mm, 1.23 UC, Backwash Expansion

Ceralite-A 1.40 mm

1.4 mm, 1.3 UC, Backwash Expansion

Ceralite-A 1.44 mm

1.44 mm, 1.3 UC, Backwash Expansion

Additional Technical Data

- Moh's hardness 2.3
- Floating Material < 4%
- Surface area 1 micron to 150 microns: 34,600 ft^2/ft^3 (113,517 m^2/m^3)

ABOUT WATEROPOLIS Wateropolis Inc. is dedicated to identifying and developing new and innovative technologies for water and wastewater treatment. We look for simple, logical answers to complex questions.