

Twinlite

Diatomaceous Earth



Diatomaceous Earth consists of fossilized remains of diatoms, a type of hard-shelled algae. It has a high porosity, because it is composed of microscopically small, coffin-like, hollow particles.

Diatomaceous Earth is used as a filter medium and very suitable for water treatment and completion fluids, but also effective in other liquid filtration processes, such as beer, wine and syrups.

DE filtration with Twinlite in combination with our absolute glass fibre pleated cartridges will give an optimum filtration performance.



Contact Information

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Benefits

- Low permeation, high throughputs
- Excellent stress crack resistance
- High dirt holding capacity
- No spillage of brines
- No effect on colour, taste, or nutritional properties
- Closed system
- Available from stock

Applications

- Completion fluids
- Waste water
- Produced water
- Work over fluids
- Gravel pack fluids
- Slops water
- Acids
- Amines & glycols
- Beverages

DE Units

- Filter Press / Slurry Skid
- Vertical Pressure Leaf
- Horizontal Pressure Leaf



ENGINEERING YOUR SUCCESS.

Twinlite

SPECIFICATIONS

Filter Media

- Powder of fossilized algae

Packaging

- Bags of 25 kg, 39 bags per pallet

Permeability

- 3.5 - 5.5 Darcy

Cake Density

- Equal or less than 0.405 g/cm³

pH

- 9-10.5 (10%) in water
(Depending on the water quality.)

Loss of Ignition

- Equal or less than 0.5%

Specific Gravity

- 2.200 - 2.300 kg/m³

Melting Point

- Above 1000°C

Filtration Area

- 12.9 ft² (1,2 m²) per bag, based on 2 mm precoat layer.

Storage

- Can be stored for two years after delivery date, if maintained in its original packaging, in a dry warehouse free of volatile matter.

RELATED PRODUCTS

- Dust Free Powder Dosing System
(For specifications see Dust Free Powder Dosing System data sheet.)

CHEMICAL ANALYSIS

SiO ₂	87.3%
Na ₂ O	5.04%
Al ₂ O ₃	3.11%
Fe ₂ O ₃	2.23%
P ₂ O ₅	0.84%
CaO	0.60%
TiO ₂	0.49%
MgO	0.35%
K ₂ O	0.28%
SO ₃	0.24%

> 1 μ	99.0%
> 5 μ	96.1%
> 10 μ	92.8%
> 20 μ	83.8%
> 35 μ	68.9%
> 50 μ	55.8%
> 75 μ	37.9%
> 100 μ	25.2%
> 200 μ	5.7%
> 350 μ	1.3%
> 500 μ	0.3%

Article description

TwinLite TFA 3

Pallet size	
Code	Bags per pallet
39	39



Specifications are subject to change without notification.
For User Responsibility Statement, see www.parker.com/safety

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