

Ap Mineral[®]

Performance in filtration

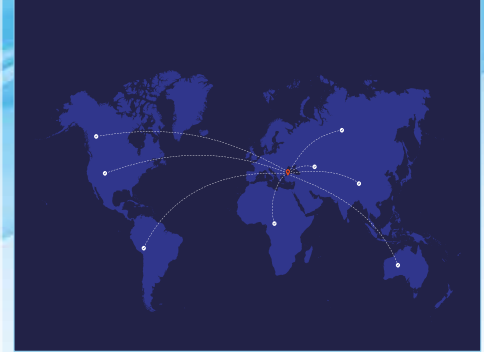
www.apmineral.com

INTRODUCTION

AP Mineral®, established in 2016, has been specialized in industrial filter-aids. The company produces fine grades of perlite and perlite & diatomaceous earth (DE) mixes in its production plants in Adana (Turkey) and these processed minerals are used in a wide range of applications particularly in food & beverage industries.

AP Mineral® provides high-purity products by means of its technological infrastructure and automation units for liquid filtration. Privately held AP Mineral® serves both domestic and international markets.

Along with the production activities, AP Mineral® is the only authorized distributor of EP Minerals® (USA) in Turkey.



PRODUCTS

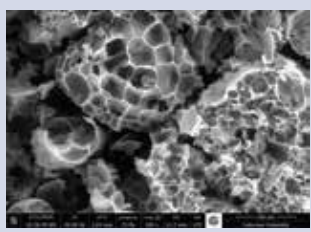
Celafilt®

Celafilt®, registered trademark of AP Mineral®, acts as an excellent filtration medium to remove microscopically small suspended solids from large volume liquids and prevents septum to be blinded from solids.

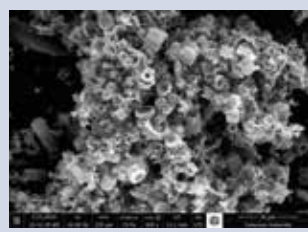
Product Characteristics

- ✓ Inert
- ✓ Non-organic
- ✓ High porosity
- ✓ Fireproof
- ✓ Lightweight
- ✓ In-soluble
- ✓ Not compacting filter cake
- ✓ Impart no taste/odor/color

SEM Images



SEM Image of Perlite



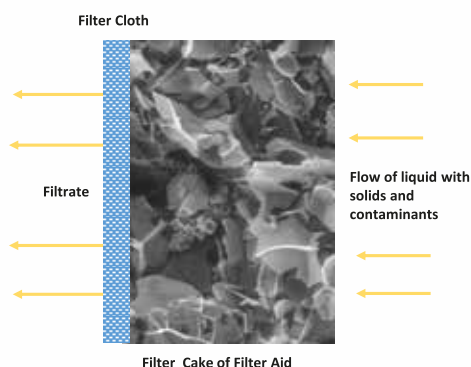
SEM Image of Diatomite



SEM Image of Diatomite & Perlite mix

Perlite & Diatomite are ideal for filtration because of their micro structure

Excellent Filtration



Celafilt® filter aids exhibit a unique, jagged, interlocking structure with numerous micro channels to enable optimum flow rates and clarities for a variety of applications.

Celafilt® distinguishes from its substitutes:

Celafilt®, a mix of diatomite and perlite, provides cost advantage without compromising high quality and throughput !

WHY CELAFILT® ?

Celafilt®, trademark of AP Mineral® for industrial filtration is available to be used in different production systems to meet the expectations.

Celafilt® →

Application Technologies

- Rotary Vacuum Filter
- Pressure Leaf Filter
- Filter Press

Results

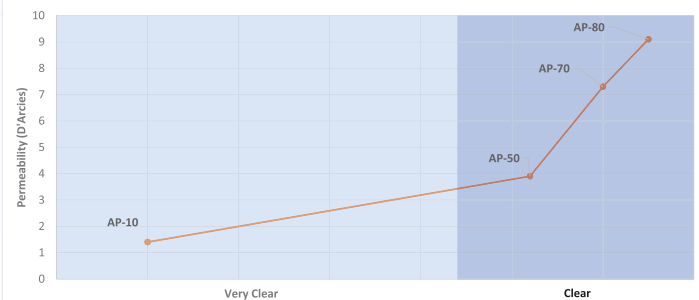
- High throughput
- Brilliant clarity
- Eliminated contaminants
- Long filtration cycle
- Cost advantage

TECHNICAL DETAILS

Celafilt® has variety of grades with high quality standards to meet the exacting demands of industrial filtration in an efficient and economical manner. And for some cases, company has ability to develop custom-engineered products for specific filtration needs of its customers.

FilterAid Grade	Permeability (Darcy)	Compacted Density (kg/m³)	pH	Median Particle Size (Micron)
AP-10	1,0 – 1,8	70 - 110	7 – 9	25
AP-50	3,5 – 4,5	110 - 120		55
AP-70	6,0 – 8,0	160 - 220		75
AP-80	8,0 – 9,5	200 - 300		85

Celafilt® Filter Aids



CUSTOM DEVELOPMENT

AP Mineral® fulfills unmet expectations of its customers with custom product development for their distinctive needs thanks to its R&D and application engineers.



APPLICATIONS & USES

Celafilt® grades are used in a wide spectrum of applications to remove solids and contaminants without affecting the taste and color. And selection of the proper grade is significant to ensure throughput, clarity and performance while minimizing total filtration costs.



Sweeteners



Beet Sugar



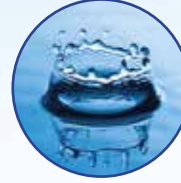
Juice



Beer & Wine



Vegetable Oils



Wastewater Treatment

Utilization area of Celafilt® is not limited with the industries above. Pharmaceutical substances, petroleum products, chemicals, paints & coatings, biodiesel are some of additional specific filter application areas.

Our Commitment to Consistency and Quality

Celafilt® grades are manufactured at the industrial plant in Adana province of Turkey and these plant, equipped with the highest technology, meets the most stringent international standards.

Certifications

✓ ISO 9001

✓ ISO 14001

✓ OHSAS 18001

All Celafilt® Grades:

- ✓ Meet the specifications outlined in the FCC (Food Chemicals Codex)
- ✓ Do not contain and do not come in contact with specified allergens
- ✓ Do not contain any genetically modified organisms
- ✓ Are suitable for Kosher/Halal Rights