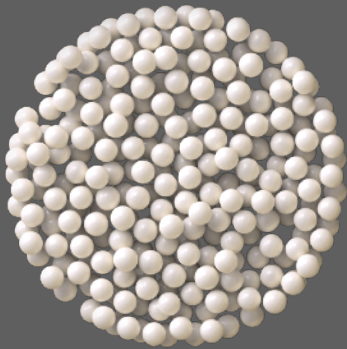


Felite™ Resin

FA201-OH



Strong Base Anion, Macroporous
Standard Mesh Size
OH⁻ form
Industrial Grade

Felite™ FA201-OH is a highly efficient and durable, Type I macroporous strong base anion exchange resin with quaternary ammonium as the functional group. Its macroporous structure provides high operating capacity and excellent regeneration efficiency and allows complete removal of all anions. This structure with strong basicity also permits the removal of large size soluble organic molecules and imparts superior resistance to mechanical and osmotic shock.

Felite™ FA201-OH is intended for high flow rate and high temperature polishing applications.

Principal Application:

- Demineralization;
- Anion Component in Mixed Bed;

TYPICAL PHYSICAL & CHEMICAL CHARACTERISTICS:

| | |
|--|---|
| Polymer Structure | Styrene/DVB, Macroporous |
| Appearance | Spherical Beads |
| Functional Group | Type I Quaternary Ammonium |
| Ionic form, as shipped | OH ⁻ |
| Total Capacity (mmol/ml) | 1.15 min. (Cl ⁻) |
| Moisture Retention | 64 - 73% |
| Mean Size Range (mm) | 0.6 - 0.7 (≤0.4mm, 1% max.; >0.9mm, 5% max.) |
| Uniformity Coefficient (max.) | 1.2 |
| Reversible Swelling, Cl⁻ → OH⁻ (max.) | 20% |
| Shipping Weight (g/L, approx.) | 640 - 680 (41 lb/ft ³) |
| Specific Gravity | 1.08 |
| Temperature Limit | 65°C (149°F) |
| Stability, pH Range | 0 - 14 |

PACKAGING:



25 Litres / 1 cu.ft PE Bag;
42 Bags Per Pallet;
20 Pallets Per 20ft Container



1 m³ Supersack Per Pallet;
20 Pallets Per 20ft Container



Asia Pacific

Yancheng, Jiangsu, China
sales@felitecn.com

America

San Gabriel, CA, USA
sales@felitecn.com

Europe

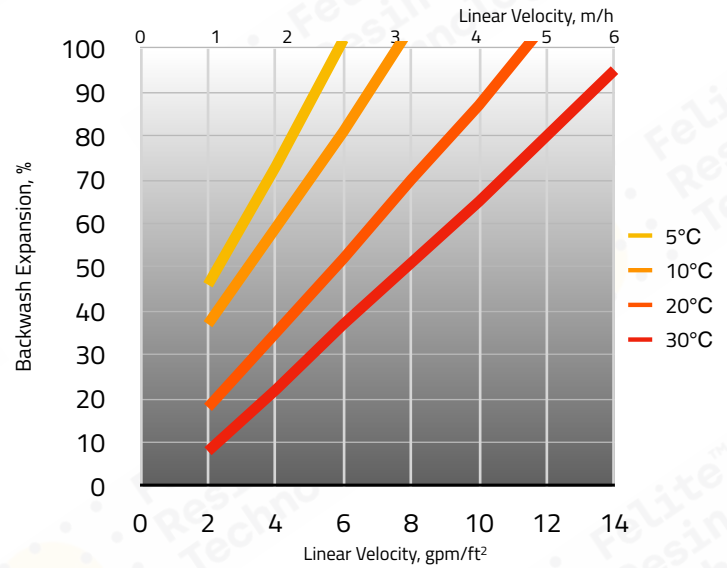
Cluj Napoca, Romania
sales@felitecn.com



PRESSURE DROP



BACKWASH EXPANSION



PERFORMANCE

The operating capacity depends on several factors such as the water analysis and the level of regeneration. The data to calculate the operating capacity and the ionic leakage with co-flow regeneration are given in the Engineering Data Sheets.

LIMITS OF USE

Felite™ FA201 resin is suitable for industrial uses. For other specific applications such as pharmaceutical, food processing or potable water applications, it is recommended that all potential users seek advice from Felite™ Resin Technology in order to determine the best resin choice and optimum operating conditions.

HYDRAULIC CHARACTERISTICS

Figure 1 shows the pressure drop data for Felite™ FA201 resin, as a function of service flow rate and water temperature. Figure 2 shows the bed expansion of Felite™ FA201 resin, as a function of backwash flow rate and water temperature. Pressure drop data are valid at the start of the service run with clear water and a correctly classified bed.

SUGGESTED OPERATING CONDITIONS:

Minimum Bed Depth

700mm

Service Flow Rate

Up to 120 BV*/h

Regeneration

- **Regenerant**

NaOH

- **Level (g/L)**

50 - 150

- **Concentration (%)**

2 - 4

- **Flow Rate (BV/h)**

4 - 6

- **Minimum Contact Time**

30 minutes

- **Slow Rinse**

2 BV* at regeneration flow rate

- **Fast Rinse**

4 - 8 BV* at service flow rate

* 1 BV (Bed Volume) = 1 m³ solution per m³ resin

The statements, technical information and recommendations contained herein are believed to be accurate as of the date hereof. Since the conditions and methods of use of the product and of the information referred to herein are beyond our control, Felite™ expressly disclaims any and all liability as to any results obtained or arising from any use of the product or reliance on such information.

Asia Pacific

Yancheng, Jiangsu, China
sales@felitecn.com

America

San Gabriel, CA, USA
sales@felitecn.com

Europe

Cluj Napoca, Romania
sales@felitecn.com

**Felite™
Resin
Technology**