

# Felite™ Resin FA127-OHCP



Strong Base Anion, Gel  
Standard Mesh Size  
OH<sup>-</sup> form

Condensate Polishing Grade

Felite™ FA127-OHCP is a polisher grade type I gel strong base anion resin with uniform mesh beads range, supplied in hydroxide form. It is specifically designed for use in deep bed condensate polishers and optimized both for low pressure loss and for perfect separation from the polisher grade cation components.

Felite™ FA127-OHCP is intended for use in high flow rate deep bed condensate polishing applications when paired with either Felite™ FC100-HCP or Felite™ FC110-HCP.

### Principal Application:

- Condensate Polishing;
- Anion Component in Mixed Bed;

## TYPICAL PHYSICAL & CHEMICAL CHARACTERISTICS:

<b>Polymer Structure</b>	Styrene/DVB, Gel
<b>Appearance</b>	Spherical Beads
<b>Functional Group</b>	Type I Quaternary Ammonium
<b>Ionic form, as shipped</b>	OH <sup>-</sup>
<b>Total Capacity (mmol/ml)</b>	1.4 min. (Cl <sup>-</sup> )
<b>Moisture Retention</b>	43 -48% (Cl <sup>-</sup> )
<b>Mean Size Range (mm)</b>	0.6 - 0.7 (≤0.4mm, 1% max.; >0.9mm, 5% max.)
<b>Uniformity Coefficient (max.)</b>	1.2
<b>Reversible Swelling, Cl<sup>-</sup> → OH<sup>-</sup> (max.)</b>	25%
<b>Shipping Weight (g/L, approx.)</b>	660 - 690 (42 lb/ft <sup>3</sup> )
<b>Specific Gravity</b>	1.09
<b>Temperature Limit</b>	60°C (140°F)
<b>Stability, pH Range</b>	0 - 14

## PACKAGING:



25 Litres / 1 cu.ft PE Bag;  
48 / 42 Bags Per Pallet;  
20 Pallets Per 20ft Container



1 m<sup>3</sup> Supersack Per Pallet;  
20 Pallets Per 20ft Container



### Asia Pacific

Yancheng, Jiangsu, China  
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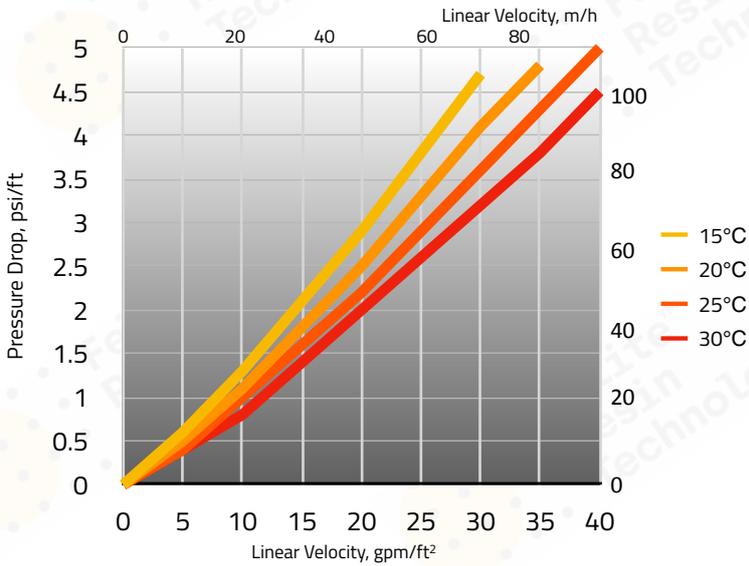
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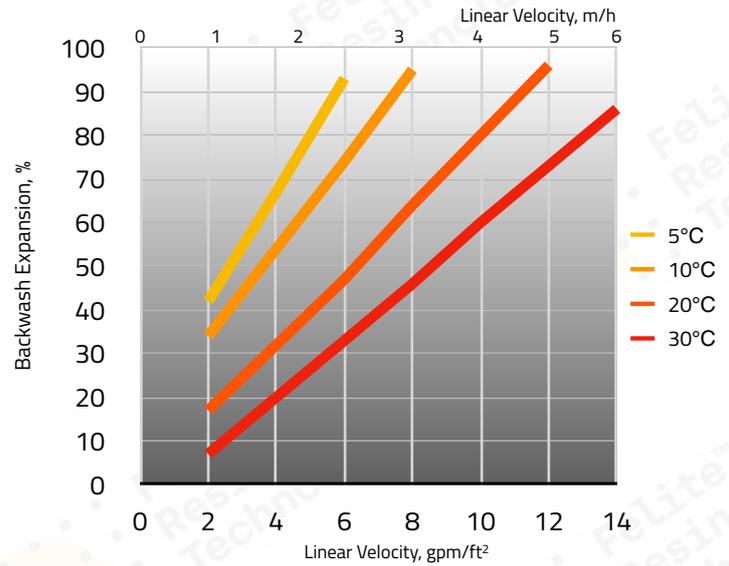
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## PRESSURE DROP



## 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™ FA127 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™ FA127 resin, as a function of service flow rate and water temperature. Figure 2 shows the bed expansion of Felite™ FA127 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:

<b>Minimum Bed Depth</b>	700mm
<b>Service Flow Rate</b>	8 - 40 BV*/h
<b>Regeneration</b>	
- Regenerant	NaOH
- Level (g/L)	60 - 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 m<sup>3</sup> solution per m<sup>3</sup> 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 such information.

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