



## AMBERLITE™ FPX62 Resin

For Food and BioPharmaceutical Processing

### Description

AMBERLITE™ FPX62 Resin is macroreticular adsorbent resin with some cation functionality, designed for food and biopharmaceutical processing market where local regulations allow for such use.

AMBERLITE FPX62 can be used for a wide variety of food processing applications to both recover high value materials, including proteins, and to purify and decolorize food and food additive streams. In addition, AMBERLITE FPX62 is an excellent choice for separation and purification of small molecular weight compounds such as antibiotics, vitamins, steroids, amino acids, enzymes and peptides.

AMBERLITE FPX62 has excellent physical resistance and thermal stability making it ideal for use in column or batch systems over a large number of process cycles

### Uses

Food processing and BioPharmaceutical

### Typical Physical and Chemical Properties

Physical form	Black beads
Matrix	Macroreticular aromatic polymer
Moisture holding capacity	55–65%
Shipping weight	735 g/L
Specific gravity	~1.1
Particle size	
Uniformity coefficient	≤ 1.8
Harmonic mean size	0.450–0.650 mm
Fines content	< 0.300 mm : 5% max
Coarse beads	> 0.850 mm : 10% max
Surface area <sup>[1]</sup>	≥ 250 m <sup>2</sup> /g
Porosity <sup>[1]</sup>	≥ 0.9 cc/g

<sup>[1]</sup> Values based on statistical control.

Test methods are available on request.

## Suggested Operating Conditions

pH range	0–14
Maximum operating temperature	150°C
Minimum bed depth	700 mm
Loading step	usually 2–16 BV*/h
Washing step	1–2 BV/h
Regeneration step	1–2 BV/h
Rinse step	2–16 BV/h

\*1 BV (Bed Volume) = 1 m<sup>3</sup> solution per m<sup>3</sup> resin or 7.5 gals per ft<sup>3</sup> resin

Regenerants      Methanol or other water miscible organic solvents (ethanol, acetone, isopropanol, etc.)  
Dilute bases and/or dilute acids  
Hot water or steam for volatile materials

## Product Stewardship

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Warning: Oxidizing agents such as nitric acid attack organic ion exchange resins under certain conditions. This could lead to anything from slight resin degradation to a violent exothermic reaction (explosion). Before using strong oxidizing agents, consult sources knowledgeable in handling such materials.

## DOW™ Ion Exchange Resins

For more information about DOW™ resins, call the Dow Water & Process Solutions business:

North America: 1-800-447-4369  
Latin America: +55 11-5188-9222  
Europe: +32 3-450-2240  
Pacific: +60 3 7965-5392  
Japan: +813 5460-2100  
China: +86 21 3851-4988  
<http://www.dowwaterandprocess.com>

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