

Bestion® BC85

Gel Weak Acid Cation Exchange Resin

Description

BC85 is an acrylic – based macroporous weak acid cation exchange resin containing carboxylic groups. It can be used in the cases of softening, dealkalizing, deionization and chemical processing. It is ideally suited for softening of high TDS water and for special applications such as treatment of aqueous organic solutions and selective separation of heavy metal cations. It can also be used for isolating and purification of biochemical and pharmaceutical substances.

BC85 has high operating capacity for divalent cations and extremely high regeneration efficiency. This resin is supplied in the hydrogen (H) form or in the sodium (Na) form for special applications. BC85 series contents three products: BC85 for general application; BC85FC for double compartment bed and floating bed system; BC85SC for dual bed system.

TYPICAL PHYSICAL & CHEMICAL CHARACTERISTICS:

Polymer Structure	Acrylic-DVB
Appearance	Milkly or light yellow opaque spherical beads
Type	Gel Weak acid cation exchange resin
Ionic form	H ⁺
Functional group	carboxylic
Moisture Content	% 40-50
Total Exchange Capacity	eq/L ≥4.2
Particle Size Range	0.315-1.25mm ≥95
Uniformity Coefficient	max. ≤1.6
Reversible Swelling	Na →H max % ≤65
Shipping Weight	g/ml 0.72-0.80
Temperature Limited	°C 100
Whole Spherical Rate After Attrition	% ≥90

TYPICAL PACKAGING

- 25L PE bag
- 1 Cubic feet
- 1000L Super Sacks