

# Bestion® BC85FD

## Gel Weak Acid Cation Exchange Resin

### Description

**BC85FD** 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.

BC85FD 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.

#### TYPICAL PHYSICAL & CHEMICAL CHARACTERISTICS:

Polymer Structure	Acrylic-DVB	
Appearance	Milky or light yellow opaque spherical beads	
Type	Gel Weak acid cation exchange resin	
Ionic form	H <sup>+</sup>	
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

