

# Bestion® BC86

## Macroporous Weak Acid Cation Exchange Resin

### Description

**BC86** 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.

BC86 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. BC86 series contents three products: BC86 for general application; BC86FC for double compartment bed and floating bed system; BC86SC for dual bed system.

#### TYPICAL PHYSICAL & CHEMICAL CHARACTERISTICS:

Polymer Structure		Acrylic-DVB
Appearance		Milkly or light yellow opaque spherical beads
Type		Macroporous Weak acid cation exchange resin
Ionic form		H <sup>+</sup>
Functional group		carboxylic
Moisture Content	%	45-52
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 Limit	°C	100
Whole Spherical Rate After Attrition	%	≥90

#### TYPICAL PACKAGING

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