

# Bestion® BD001H

## Macroporous Strong Acid Cation Exchange Resin

### Description

**BD001H** is a premium grade, macroporous strong acid cation exchange resin, supplied in the hydrogen (H) form. It is a copolymer of styrene and divinylbenzene with sulfonic acid exchange group. The unique structure allows for high operating capacity and excellent chemical and physical stability. Its matrix promotes better kinetics and better diffusion rates into and out of the bead.

#### TYPICAL PHYSICAL & CHEMICAL CHARACTERISTICS:

Polymer Structure		Styrene-DVB
Appearance		beige-grey, opaque spherical beads
Type		Macroporous strong acid cation exchange resin
Ionic form		H <sup>+</sup>
Functional group		sulfonic acid
Moisture Content	%	50-60%
Total Exchange Capacity	eq/L	≥1.7
Particle Size Range	0.315-1.25mm	≥95
Uniformity Coefficient	max.	≤1.6
Reversible Swelling	Na → H max %	≤10
Shipping Weight	g/ml	0.76-0.85
Temperature Limit	°C	100°C
Whole Spherical Rate After Attrition	%	≥90

#### TYPICAL PACKAGING

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