

# Bestion® BD201

## Macroporous Strong Base Anion Exchange Resin

### Description

**BD201** is a macroporous strong-base Type I anion exchange resin based on polystyrene with quaternary amine groups. It has a unique macroporous structure which contributes its high capacity and excellent physical and chemical stability. Its resistance to organic fouling is superior to gel resin because of its large pore structure. The resin is mainly used in preparation of pure water, ultra pure water and condensation polishing. It can be used for waste water treatment, recovery of metals and many chemical processing applications.

BD201 series has four products: BD201 for general use; BD201FC for double compartment bed and floating bed system; BD201SC for dual bed and BD201 MB for mixed bed system, especially in condensate polishers with high flow rate.

#### TYPICAL PHYSICAL & CHEMICAL CHARACTERISTICS:

|                                      |   |  |
|--------------------------------------|---|--|
| Polymer Structure                    |   | Styrene-DVB                                  |
| Appearance                           |   | light yellow spherical beads                 |
| Type                                 |   | Macroporous strong base Anion exchange resin |
| Ionic form                           |   | Cl <sup>-</sup>                              |
| Functional group                     |   | quaternary ammonium                          |
| Moisture Content                     | %                                       | 50-60%                                       |
| Total Exchange Capacity              | eq/L                                    | ≥1.2   |
| Particle Size Range                  | 0.315-1.25mm                            | ≥95  |
| Uniformity Coefficient               | max.                                    | ≤1.6   |
| Reversible Swelling                  | Cl <sup>-</sup> → OH <sup>-</sup> max % | ≤20  |
| Shipping Weight                      | g/ml                                    | 0.65-0.73                                    |
| Temperature Limited                  | °C                                      | 80   |
| Whole Spherical Rate After Attrition | %                                       | ≥90  |

#### TYPICAL PACKAGING

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