

Datasheet for the Resin C100E (GC107B)

Polymer Matrix Structure	Polystyrene with DVB
Physical Form and Appearance	Clear spherical beads
Whole Bead Count	97% min
Functional Groups	R-SO ₃ ⁻
Ionic Form, as shipped	Na/H
Total Exchange Capacity, Na ⁺	1.90 meq/ml min
Moisture Content, Na ⁺ form	45-50%
Particulate Size Range	0.3-1.2mm
Less than 0.3mm	1.0% max
Swelling Na ⁺ Ø H ⁺	10% max
Shipping Weight (approx.)	790-800 g/l
Maximum Temperature Na ⁺ /H ⁺ Form	150 °C /100 °C
Minimum Bed Depth	0.6m (24inches)
Backwash Rate	25 to 50% Bed Expansion
Regenerant	4% to 6% NaCl
Regenerant Flow Rate	4 to 12 BV/h (0.5 to 1.5gpm/cu/ft.)
Regenerant Contact Time	At least 30 minutes
Regenerant Level	112-300g/L (4 to 10 pounds /cu/ft.)
Displacement Rinse Rate	4 to 12 BV/h (0.5 to 1.5gpm/cu/ft.)
Displacement Rinse Vol	10 to 15 gallons/cu/ft.
Fast Rinse Rate	10-25m/h (2 to 10gpm/cu/ft.)
Fast Rinse Volume	35 to 60 gallons/cu/ft.
Service Flow Rate	10-25m/h (2 to 10gpm/cu/ft.)