Product Name:	201x7 (Strong-Base Type I (Gel) Anion Exchange Resin)

Product Data Sheet

For Efficient Demineralibation Including Silica Removal
201x7 is a high capacity, shock resistant, gelular,Type I ,strongly basic anion exchange resin supplied in the chloride or hydroxide form as moist, uniform, spherical beads. 201x7 is intended for use in all type of deionization systems and
chemical processing applications.

Typical physical & Chemical characteristics:	Polymer Matrix Structure	Styrene Crosslinked with DVB
	Physical Form and Appearance	Clear spherical beads
	Whole Bead Count	95% min.
	Functional Groups	R-N(CH3)3+
	Ionic Form ,as shipped	CL
	Total Exchange Capacity, CL- form, wet, volumetric	1.4 eq/l min.
	Moisture Retention, CL- form	42-48%
	Particle Size Range	0.3-1.2mm,+1.2 mm <5%, -0.3 mm <1%
	Swelling CL-→ OH-	18-25%
	Shipping Weight (approx.)	700 g/l
	Specific Gravity, moist CL- Form	1.09
	PH Range, Stability	0 - 14
Suggested Operating Condition:	Maximum Temperature OH- Form CL- Form	 60°C (140oF) max. 80°C (176oF) max.
	Minimum Bed Depth	0.6m(24inches)
	Backwash Rate	50 to 75% Bed Expansion
	Regenerant Concentration	2 - 6%
	Regenerant Flow Rate	2 to 8 BV/h (0.25 to 1.0gpm/cu/ft.)
	Regenerant Contact Time	At least 40 minutes
	Regenerant Level	112 -300g/L (4 to 10 pounds/ cu/ft.)
	Displacement Rinse Rate	Same as Regenerant Flow Rate
	Displacement Rinse Volume	10 to 15 gallons/cu.ft.
	Fast Rinse Rate	Same as Service Flow Rate
	Fast Rinse Volume	35 to 60 gallons/cu.ft.
	Service Flow Rate	10-25m/h (2 to 10 gpm/cu/ft.)

Hydraulic Properties:	A. Pressure Drop: The graph above shows the expected pressure loss per foot of bed depth as a function of flow rate, at various temperatures. B. Backwash : After each cycle the resin bed should be backwashed at a rate that expands the bed 50 to 75 percent. This will remove any foreign matter and reclassify the bed. The graph below shows the expansion characteristics of 201x7 in the sodium form.