EPOCHEMMIE CO., LTD

www.epochemmie.com

E-mail: sales@epochemmie.com epochemmie@163.com

DATA SHEET

Commodity: Week-Base Anion Exchange Resin **Type**: A300

For efficient demineralibation

Applications:A300 is a very high capacity, bead form , weak base, gel type,anion resin made by epoxy polyamine condensation. It is a spherical bead form resin(unlike other granular formulations) suitable for use in high flowrate applications. The exceptionally high operating capacity and regeneration efficiency of A300 make it ideal for applications where the maximum possible throughput and minimum chemical dose are required

Product Description:

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$(CH_3)_2$
Ionic Form ,as shipped	Free base
Total Exchange Capacity, CL^- form, wet, volumetric	1.4 eq/l min.
Moisture Retention, CL^- form	50-60%
Particle Size Range	+1.2 mm 5%max, -0.3 mm 1%max
Swelling $OH^- \rightarrow CL^-$	20-28% max
Shipping Weight (approx.)	650-720 g/l
PH Range, Stabilit	0 – 14
Specific gravity,moist CL- form	1.09

Suggested Operating Condition

Maximum Temperature	100°C (212oF) 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 30 minutes
Regenerant Level	90 -240g/L (3 to 8 pounds/ cu/ft.)
Displacement Rinse Rate	Same as Regenerant Flow Rate
Displacement Rinse Volume	11 to 1.5 BV
Fast Rinse Rate	Same as Service Flow Rate
Fast Rinse Volume	5 to 10 BV
Service Flow Rate	10-25m/h (2 to 10 gpm/cu/ft.)