



EPOCHEMMIE CO., LTD

www.epochemmie.com

E-mail: sales@epochemmie.com pengli-epochemmie@hotmail.com plshu@sh163.net

DATA SHEET

Commodity: Strong-Base (Macro) Acrylic Anion Exchange Resin **Type:** A510

For decolorisation of organic solution and organic scavenger

Applications: A510 resin is a high capacity, organic fouling resistant, Macroporous type, Strong basic anion resin. Supplied in the chloride or hydroxide form as moist, tough, spherical beads.

Product Description:

Typical Physical & Chemical Characteristics

Polymer Matrix Structure	Acrylic Crosslinked with DVB
Physical Form and Appearance	Clear spherical beads
Whole Bead Count	95% min.
Functional Groups	R-N(CH ₃) ₃ ⁺
Ionic Form, as shipped	CL
Total Exchange Capacity, CL ⁻ form, wet, volumetric	0.8 eq/l min.
Moisture Retention, CL ⁻ form	65-75%
Particle Size Range	+1.2 mm <5%, -0.3 mm <1%
Effective Size(mm)	0.40-0.60
Uniformity Coefficient	≤1.6
Swelling CL ⁻ → OH ⁻	15-25%
Shipping Weight (approx.)	650-720 g/l (40.5-45lbs/cu.ft)
Specific Gravity, moist CL ⁻ Form	1.09
PH Range, Stability	0 – 14

Suggested Operating Condition

Maximum Temperature	
OH Form	40°C (95°F) max.
CL Form	60°C (140°F) max.
Minimum Bed Depth	0.6m(24inches)
Backwash Rate	50 to 75% Bed Expansion
Regenerant Concentration	2 –6% Caustic Soda (NaOH)
Regenerant Flow Rate	2 to 8 BV/h (0.25 to 1.0gpm/ cu.ft.)
Regenerant Contact Time	At least 60 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.)