



EPOCHEMMIE CO., LTD

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DATA SHEET

Commodity: Macroporous Strong-Base Type I Anion Exchange Resin **Type:** A200

For efficient demineralization including silica removal

Applications: A200 is a premium quality strongly basic Type I, macroporous anion exchange resin with an isoporous structure that contributes to its high capacity. A200 is well suited for use in demineralization of high organic waters, catalysis, and the extraction of heavy metals in the form of complex anions

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 (C ₂ H ₄ OH) ⁺
Ionic Form ,as shipped	CL
Total Exchange Capacity, CL ⁻ form, wet, volumetric	1.15 eq/l min.
Moisture Retention, CL ⁻ form	50-60%
Particle Size Range	+1.2 mm 5%max, -0.3 mm 1%max
Swelling CL ⁻ → OH ⁻	20% max
Shipping Weight (approx.)	660-730 g/l
PH Range, Stability	0 – 14

Suggested Operating Condition

Maximum operating temperature:	
OH ₋ form	60°C (140°F)
Cl ₋ form	80°C (176°F)
Bed depth, min.	800 mm (2.6 ft)

Flow rates:	
Service/fast rinse	5-50 m/h (2-20 gpm/ft ²)
Co-current regeneration/displacement rinse	1-10 m/h (0.4-4 gpm/ft ²)
Counter-current regeneration/displacement rinse	5-20 m/h (2-8 gpm/ft ²)
Total rinse requirement	5-7 Bed volumes
Regenerant:	
Type	4-8% NaOH
Temperature	Ambient or up to 50°C (122°F) for silica removal