



001x7 Na+

Strong Acid Cation Exchange Resin

001x7Na is a polystyrene matrix of gel type strong acid cation exchange resin containing sulfuric acid, which is equivalent to solid sulfuric acid.

Mainly used for water treatment industry.

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Name	Specification
Appearance	Pale yellow clear spherical beads
Polymer Structure	Gel polystyrene crosslinked with divinylbenzene
Functional Group	-SO ₃ H
Ionic Form as shipped	Na ⁺
Weight Exchange Capacity	≥4.5mmol/g Dry
Volume Exchange Capacity	≥1.8mmol/ml
Specific Gravity	1.24~1.28g/ml
Shipping Weight	0.77~0.87g/ml
Moisture Retention	45%~55%
Particle Size Range	0.315~1.25 mm
Reversible Swelling	Na ⁺ → H ⁺ 8~10%
Temperate Limit	H100°C, Na120°C
Sphere rate after abrasion	≥95%

Reference Operation Conditions

Maximum operating temperature	120°C
Resin filling height	3m~1
Operating velocity	10BV/h~2
Backwash velocity	10BV/h~4
Regeneration (desorption) velocity	2BV/h~1
Regeneration agent	2BV3~5%HCl, 2BV2~4% NaOH

*Specifications and typical properties are listed for informational purposes only and not to be used as purchase specifications.

Application

- Water softening
- Preparation of pure water
- Wet metallurgy
- Rare element separation

Corresponding Brands

- Amberlite IRA-120
- Dowex 50
- KY2-8
- Diaion SK-IA