



PA202

Nitrate Selective Resin

PURE RESIN

Product Description

Pure PA202 is a macroporous strong base anion exchange resin supplied in the chloride form as moist, tough, spherical beads, specially designed for the removal of nitrates from water for potable processes.

Applications

The macroporous matrix and special ion exchange group functionality imparts ideal nitrate selectivity to **Pure PA202** making this resin particularly suitable for nitrate removal even when moderate to high concentrations of sulphate are present.

Typical Physical & Chemical Characteristics

Polymer Structure	Macroporous, Styrene / DVB
Functional Group	R-N-R ₃ ⁺ Cl ⁻
Ionic Form, as shipped	Cl ⁻
Physical Form And Appearance	Clear Spherical Beads
Sphericity	95% min.
Screen Size Range --- U.S. Standard Screen	16-50 mesh, wet
Particle Size Range	+1.2 mm < 5%, -0.3 mm < 1%
Uniformity Coefficient	1.6 max.
Water Retention, Cl ⁻ form	52-56%
Shipping Weight	680-730 g/l (42-45.5 lbs/cu.ft, approx.)
Total Exchange Capacity	1.0 eq/l
Max, Operating Temperature	100°C (212°F) max.
pH Range	0-14

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Suggested Operating Conditions

PH Range	0-14
Max. Operating Temp (°C)	Cl ≤ 100°C
Working Exchange Capacity	25°C ≥ 300meq/l (wet)
Concentration of Regenerate Solution	NaCl: 8-10%
Consumption of Regenerate	NaCl(8-10%) Vol. : Resin Vol. = 2-3 : 1
Flow Rate of Regenerate Solution	4-6 (m/hr)
Regenerate Contact time	30-60 (minute)
Rinse Flow Rate	15-25 (m/hr)
Rinse Time (minute)	25 (approx.)
Operating Flow Rate	15-25(m/hr)

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