

PURE RESIN PA202

- REF. RA360;
- Nitrate Selective Resin
- 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;
- 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 sulphate concentrations are present.



| Typical Physical & Chemical Characteristics | |
|---|---|
| Polymer Matrix Structure | Macroporous, Styrene with 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 US 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 min. |
| Max Operating Temperature | 100°C (212°F) max. |
| pH Range | 0 ÷ 14 |

PURE RESIN PA202

| Suggested Operating Conditions | |
|--------------------------------------|--|
| Maximum Operating Temperature | 100°C (212°F) max. |
| Working Exchange Capacity @ 25°C | ≥ 0,3 meq/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) |