

Purolite® A600

Gel Type 1 Strong Base Anion Exchange Resin

Purolite A600 is a clear gel Type 1 strong-base anion exchanger with both high operating capacity and the ability to achieve low residual silica levels. It has a clear gel structure, showing excellent regeneration efficiency and rinse characteristics. Purolite A600 has exceptional physical stability for a conventional gel-type resin which permits a long life without the development of excessive pressure drop; it also shows good kinetics of exchange, enabling very low concentration levels of both strong and weak anions to be achieved at practical flowrates.

TYPICAL PHYSICAL AND CHEMICAL CHARACTERISTICS

BASIC FEATURES:

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|------------------------------|--|
| Application | Regeneration Efficient Demineralization/Silica Removal |
| Polymer Structure | Gel polystyrene crosslinked with divinylbenzene |
| Appearance | Spherical beads |
| Functional Group | Type 1 Quaternary Ammonium |
| Ionic Form as Shipped | Cl ⁻ |

PRODUCT INFORMATION:

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| Total Capacity (min.) | 1.4 eq/l (30.6 Kg/ft ³) (Cl ⁻ form) |
| Moisture Retention, Cl⁻ Form | 43 - 48 % |
| Particle Size Range | 300 - 1200 µm |
| <300 µm (max.) | 1 % |
| Uniformity Coefficient (max.) | 1.7 |
| Reversible Swelling, Cl⁻ → OH⁻ (max.) | 20 % |
| Specific Gravity | 1.09 |
| Shipping Weight (approx.) | 685 - 720 g/l (42.8 - 45 lb/ft ³) |
| Temp Limit, Cl⁻ Form | 100°C (212°F) |
| Temp Limit, OH⁻ Form | 60°C (140°F) |

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