

**Gel Type I Strong Base Anion Exchange Resin**

Purolite A600E is a strong-base anion exchanger with both high operating capacity and designed for removal of alkalinity, uranium and nitrate from drinking water. It has a clear gel structure and complies with the Food and Drug Administrations requirements for contact with food and potable water. This product is also NSF/ANSI 61 compliant. Purolite A600E 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 contaminants from potable water.

**Basic Features:**

Application	Regeneration Efficient Demineralization - Food Grade for Potable water; Dealkalization; Nitrate and or Sulfate removal
Polymer Structure	Gel polystyrene crosslinked with divinylbenzene
Appearance	Spherical beads
Functional Group	Type 1 Quaternary Ammonium
Ionic form as shipped	Cl <sup>-</sup>

**Typical Physical and Chemical Characteristics:**

Total Capacity (min.)	Cl <sup>-</sup>	1.40 eq/l
Total Capacity (min.)	Cl <sup>-</sup>	30.57 kGr/ft <sup>3</sup>
Moisture Retention	Cl <sup>-</sup>	43-48 %
Mean Size Typical		0.60-0.85 mm
Uniformity Coefficient (max.)		1.70
Reversible Swelling (max.)	Cl <sup>-</sup> → OH <sup>-</sup>	20 %
Specific Gravity		1.09 g/ml
Shipping Weight (approx.)		685-720 g/l
Shipping Weight (approx.)		43-45 lbs/ft <sup>3</sup>
Temp Limit	OH <sup>-</sup>	60 °C
Temp Limit	OH <sup>-</sup>	140 °F
Temp Limit	Cl <sup>-</sup>	100 °C
Temp Limit	Cl <sup>-</sup>	212 °F

**USA**  
Telephone: (1) 610-668-9090  
Fax: (1) 610-668-8139  
Email: info@puroliteusa.com

**Europe**  
Telephone: +44 1443 229334  
Fax: +44 1443 227073  
Email: sales@purolite.com

**Asia Pacific**  
Telephone: +86 571 876 31385  
Fax: +86 571 876 31385  
Email: pultalan@purolitechina.com

pH Limits		0-14 (Stability)
pH Limits	OH <sup>-</sup>	1-10 (Operating)

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**Europe**  
Telephone: +44 1443 229334  
Fax: +44 1443 227073  
Email: [sales@purolite.com](mailto:sales@purolite.com)

**Asia Pacific**  
Telephone: +86 571 876 31385  
Fax: +86 571 876 31385  
Email: [pultalan@purolitechina.com](mailto:pultalan@purolitechina.com)