

#### Gel Strong Base Anion Exchange Resin

Purolite A850 is a gel-type I strong base anion exchange resin with an acrylic matrix. The acrylic matrix ensures excellent removal of organic matter from a water supply in conjunction with its reversible removal upon regeneration. This resin is regenerated very efficiently with lower levels of sodium hydroxide than those required for a polystyrene based type I resin, and yet it has a comparable ability to remove weaker acids including carbonic acid and silica. Its use in combination with a polystyrene based resin (for instance in a mixed bed positioned after the anion unit) can often result in the removal of a wider spectrum of organic compounds than either type of anion resin alone.

#### Basic Features:

Application	Organics ;Tannin Removal and Demineralization - Excellent Resistance to Fouling
Polymer Structure	Gel Polyacrylic crosslinked with divinylbenzene
Appearance	Spherical beads
Functional Group	Quaternary Ammonium
Ionic form as shipped	Cl <sup>-</sup>

#### Typical Physical and Chemical Characteristics:

Total Capacity (min.)	Cl <sup>-</sup>	1.25 eq/l
Total Capacity (min.)	Cl <sup>-</sup>	27.29 kGr/ft <sup>3</sup>
Moisture Retention	Cl <sup>-</sup>	57-62 %
Mean Size Typical		0.60-0.85 mm
Uniformity Coefficient (max.)		1.70
Irreversible Swelling (max.)		10 %
Reversible Swelling (max.)	Cl <sup>-</sup> → OH <sup>-</sup>	15 %
Specific Gravity		1.09 g/ml
Shipping Weight (approx.)		680-730 g/l
Shipping Weight (approx.)		42.5-45.6 lbs/ft <sup>3</sup>
Temp Limit	OH <sup>-</sup>	40 °C
Temp Limit	OH <sup>-</sup>	104 °F
Temp Limit	Cl <sup>-</sup>	80 °C

Temp Limit	Cl <sup>-</sup>	175 °F
pH Limits		0-14 (Stability)
pH Limits	OH <sup>-</sup>	1-10 (Operating)

**LENNTECH**

[info@lennotech.com](mailto:info@lennotech.com)

[www.lennotech.com](http://www.lennotech.com)

Tel. +31-15-261.09.00

Fax. +31-15-261.62.89

---