

Gel Strong Base Anion Exchange Resin

Purolite A850C/S 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	Sugar - Good Resistance to Fouling
Polymer Structure	Gel Polyacrylic crosslinked with divinylbenzene
Appearance	Spherical beads
Functional Group	Quaternary Ammonium
Ionic form as shipped	Cl ⁻

Typical Physical and Chemical Characteristics:

Total Capacity (min.)	Cl ⁻	1.25 eq/l
Total Capacity (min.)	Cl ⁻	27.29 kGr/ft ³
Moisture Retention	Cl ⁻	57-62 %
Mean Size Typical		0.65-0.90 mm
Uniformity Coefficient (max.)		1.70
Irreversible Swelling (max.)		10 %
Reversible Swelling (max.)	Cl ⁻ → OH ⁻	15 %
Specific Gravity		1.09 g/ml
Shipping Weight (approx.)		680-730 g/l
Shipping Weight (approx.)		42.5-45.6 lbs/ft ³
Temp Limit	OH ⁻	40 °C
Temp Limit	OH ⁻	104 °F
Temp Limit	Cl ⁻	80 °C
Temp Limit	Cl ⁻	175 °F
pH Limits		0-14 (Stability)

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 OH⁻ 1-10 (Operating)

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