

Macroporous Strong Base Anion Exchange Resin

Purolite A860S is a strong base macroporous type I anion exchange resin. It has an exceptionally good capacity for colored bodies of high molecular weight, such as those found in sugar syrups. The adsorption is highly reversible and resistance to organic fouling is excellent. Hence it is particularly effective when the color concentration in the syrup is high or where adsorption cycles are more than 24 hours long. Purolite A860S may be efficiently regenerated with sodium chloride, and will also benefit from an occasional acid treatment.

Basic Features:

Application	Decolorization of Organic Solutions (Sugar Syrups). Organic Scavenger.
Polymer Structure	Macroporous 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 ⁻	0.80 eq/l
Total Capacity (min.)	Cl ⁻	17.47 kGr/ft ³
Moisture Retention	Cl ⁻	66-72 %
Mean Size Typical		0.52-0.70 mm
Uniformity Coefficient (max.)		1.60
Irreversible Swelling (max.)		10
Reversible Swelling (max.)	Cl ⁻ → OH ⁻	20 %
Specific Gravity		1.08 g/ml
Shipping Weight (approx.)		680-730 g/l
Temp Limit	OH ⁻	40 °C
Temp Limit	OH ⁻	104 °F
Temp Limit	Cl ⁻	80 °C
Temp Limit	Cl ⁻	175 °F
pH Limits		1-10 (Stability)
pH Limits	H ⁺	1-14 (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