

Purolite® A860

PRODUCT DATA SHEET

Macroporous Strong Base Anion Exchange Resin - Acrylic

Purolite A860 is a Macroporous 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 their 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, and is particularly resistant to organic fouling, even where loadings are relatively high.

Typical Physical and Chemical Characteristics

Application	Decolorization of Sugar Solutions; Organic Scavenger
Polymer Structure	Macroporous polyacrylic crosslinked with divinylbenzene
Appearance	Spherical beads
Functional Group	Quaternary Ammonium
Ionic Form as Shipped	Cl ⁻
Total Capacity (min.)	0.8 eq/l (17.5 Kgr/ft ³) (Cl ⁻ form)
Moisture Retention	66 - 72 % (Cl ⁻ form)
Particle Size Range	300 - 1200 µm
Uniformity Coefficient (max.)	1.7
Reversible Swelling, Cl ⁻ → OH ⁻ (max.)	20 %
Specific Gravity	1.08
Shipping Weight (approx.)	680 - 730 g/l (42.5 - 45.6 lb/ft ³)
Temp Limit, Cl ⁻ Form	80°C (176°F)



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