Purolite[®] A501P

Macroporous Type I Strong Base Anion Exchange Resin

Purolite A501P is a unique patented strong base type I anion exchange resin which has been developed for the removal of colloids especially colloidal silica. The pore size distribution has been optimized to ensure highest capacities for colloidal silica and hydrous metal oxides, including iron oxides, thus providing an added dimension in treating water to levels of absolute purity. The regenerability is excellent and **Purolite A501P** may be regenerated time after time without large resin losses. This is because **Purolite A501P** has an especially high mechanical strength for this type of very high porosity product. **Purolite A501P** finds use in the semiconductor, medical and pharmaceutical fields.

Typical Physical and Chemical Characteristics

Application	Very High Porosity for the Removal of Colloids
Polymer Structure	Macroporous polystyrene crosslinked with divinylbenzene
Appearance	Spherical beads
Functional Group	Type I Quaternary Ammonium
Ionic Form as Shipped	СГ
Total Capacity (min.)	0.5 eq/l (10.9 Kgr/ft ³) (Cl ⁻ form)
Moisture Retention	70 - 75 % (Cl ⁻ form)
Particle Size Range	425 - 1200 μm
<425 µm (max.)	5 %
Uniformity Coefficient (max.)	1.7
Shipping Weight (approx.)	590 - 610 g/l (36.9 - 41.9 lb/ft ³)
Temp Limit, Cl ⁻ Form	100°C (212°F)
Temp Limit, OH ⁻ Form	60°C (140°F)
Average Breaking Weight	40 g



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