PUROLITE
ION EXCHANGE RESINS

Product Data Sheet

PUROLITE® A532E

Strong Base Anion Gel

Purolite® A532Eis a unique dual amine bifunctional resin that exhibits extremely high selectivity for hydrophobic anions such as perchlorate and pertechnetate.

The product is ideally suited for removal of trace levels of these types of anions from ground or potable water in which competing anions are present in concentrations typically 1000 times greater or more. Analog testing shows that the product can reduce influent perchlorate in contaminated water to less than 1 ppb.

Because of its high capacity, service run times can be relatively long compared to standard resins, the product is designed to be used on a one-time “load and burn” basis.

Basic Features:

Application	Perchlorate Removal
Polymer Structure	Polystyrene - DVB
Appearance	Spherical Beads
Functional Group	Bifunctional Quaternary amines
Ionic form as shipped	Chloride

Typical Physical and Chemical Characteristics:

Total Capacity (min.)	Cl^-	0.75 eq/l
Moisture Retention	Cl^-	36 - 45 %
Mean Size Typical		600 +/- 50 mm
Uniformity Coefficient (max.)		1.5 max
Shipping Weight (approx.)		670 g/l
Shipping Weight (approx.)		42 lbs/ft^3
Temp Limit	Cl^-	100 °C
Temp Limit	Cl^-	212 °F
pH Limits		0 - 14 (Stability)

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