Product Data Sheet

PUROLITE® S108

Chelation Resins

Chelating Resin for Boron Removal

Purolite S108 is a macroporous polystyrenic based resin, with functional groups specially designed for the selective removal of salts of boron from aqueous solutions. It is effective for such solutions over a wide range of pH values, and over a wide range of boron concentrations. The presence of boron ions in water supplies to be used for certain chemical processes, or in water for potable and agriculture/horticulture use, even in relatively small (ppm) concentrations can give rise to major problems. Even where concentrations of other ions are reasonably high, Purolite S108 will reduce boron concentrations by an order of magnitude.

Basic Features:

Application	Selective Removal of Salts of Boron from Aqueous solutions
Polymer Structure	Macroporous crosslinked polymer
Appearance	Spherical beads
Functional Group	Complex Amino
Ionic form as shipped	Free Base

Typical Physical and Chemical Characteristics:

Total Capacity (FB)		0.80 eq/l
Moisture Retention (Cl)		45 - 55 %
Mean Size Typical		0.52 - 0.67 mm
Uniformity Coefficient (max.)		1.40
Specific Gravity		1.10 g/ml
Shipping Weight (approx.)		660 - 720 g/l
Temp Limit	Cl^-	60 °C
Temp Limit	Cl^-	140 °F
pH Limits		0 - 13 (Stability)
pH Limits		1 - 13 (Operating)