

Purolite A172/4635 is a gel weakly basic anion resin cross linked with divinylbenzene that is especially selective for hydrophobic anions. It shows good for this type of the resins mechanical strength and resistance to osmotic and thermal shock. This resin is specially tailored for selective sorption of the hydrophobic inorganic anions presented in acidic solutions in monomeric forms. Recent studies have shown that water containing traces of ions such as perrhenate, bromide, and bromate, that may either have value, or may present some risks to human health. Thus the removal of such ions has become an economic advantage, or may be useful to meet directives to ensure that potable water meets various newer health and safety regulations that are being introduced.

**Basic Features:**

Application	Rhenium removal
Polymer Structure	Gel polystyrene crosslinked with divinylbenzene
Appearance	Spherical Amber Beads
Functional Group	Complex Amine
Ionic form as shipped	Free Base

**Typical Physical and Chemical Characteristics:**

Total Capacity (min.)	Free Base	1.20 eq/l
Moisture Retention	Free Base	25 - 45 %
Uniformity Coefficient (max.)		1.25
Reversible Swelling (max.)	FB → Cl <sup>-</sup>	20 %
Specific Gravity		1.07 g/ml
pH Limits		0 - 14 (Stability)

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