Product Data Sheet

PUROLITE® S957

Chelation Resins

LENNTECH
info@lenntech.com
www.lenntech.com
Tel. +31-15-261.09.00
Fax. +31-15-261.62.89

CHELATING RESIN - Ferric iron removal

Purolite S957 is a specially developed Monophos chelating resin, which incorporates phosphonic, and sulphonic functional groups on a mechanically and osmotically resistant matrix. These combined properties give it high selectivity for iron and other transitional metals, even in acidic solutions. Purolite S957 has been especially designed for the selective removal of ferric iron from acidic solutions, such as copper electrolyte or from nickel, cobalt and zinc processing solutions. Purolite S957 can also be used in potable water applications for the selective removal of trace levels of selected metals from neutral pH waters. Its selectivity for uranium and other lanthanide elements should give good opportunities for its successful employment in other areas.

Basic Features:

Application	Selective Removal of Ferric Iron
Polymer Structure	Macroporous crosslinked polymer
Appearance	Spherical beads
Functional Group	Phosphonic+ Sulphonic Acid
Ionic form as shipped	H

Typical Physical and Chemical Characteristics:

Iron Capacity min.	18 g/l
Moisture Retention (H)	55-70 %
Mean Size Typical	0.55-0.75 mm
Uniformity Coefficient (max.)	1.40
Specific Gravity	1.19 g/ml
Shipping Weight (approx.)	755-785 g/l

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