PUROLITE
ION EXCHANGE RESINS

Product Data Sheet

PUROLITE® S930

Chelation Resins

ابنیه پایدار سبز
www.abpsoil.com

CHELATING RESIN FOR COPPER REMOVAL

Purolite S930 is a macroporous polystyrene based chelating resin, with iminodiacetic groups designed for the removal of cations of heavy metals from industrial effluents. These cations may be separated from high concentrations of univalent cations (typically sodium) and also from common divalent cations (such as calcium). Removal can be achieved both from weakly acidic and weakly basic solutions depending on the metals to be removed. Purolite S930 finds use in processes for extraction and recovery of metals from ores, galvanic plating solutions, pickling baths, and effluents even in the presence of alkaline earth metals (calcium and magnesium). Further important uses include the refining of the salt solutions of transition and precious metals and for the cleaning and purification of various organic or inorganic chemical products by removal of heavy metals contamination (usually from aqueous solution).

Basic Features:

Application	Copper Removal
Polymer Structure	Macroporous crosslinked polymer
Appearance	Spherical beads
Functional Group	Iminodiacetic
Ionic form as shipped	Na

Typical Physical and Chemical Characteristics:

Copper Capacity min.		30 g/l
Moisture Retention (Na)		55-65 %
Mean Size Typical		0.60-0.85 mm
Uniformity Coefficient (max.)		1.50
Swelling H->Namax		20
Specific Gravity		1.13 g/ml
Shipping Weight (approx.)		710-745 g/l
Temp Limit	H^+	70 °C
Temp Limit	H^+	158 °F
pH Limits		0-14 (Stability)
pH Limits		2-6 (H Form)6-11 (Na Form) (Operating)

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