



Non-Styrene Ion Exchange Resins Specifically Developed for Metals Removal on Environmental Remediation and Value Metals Recovery from Mining and Specialized Applications.

CuSELECT PRODUCT DATA SHEET Last Updated 10th March, 2010

General Characteristics:

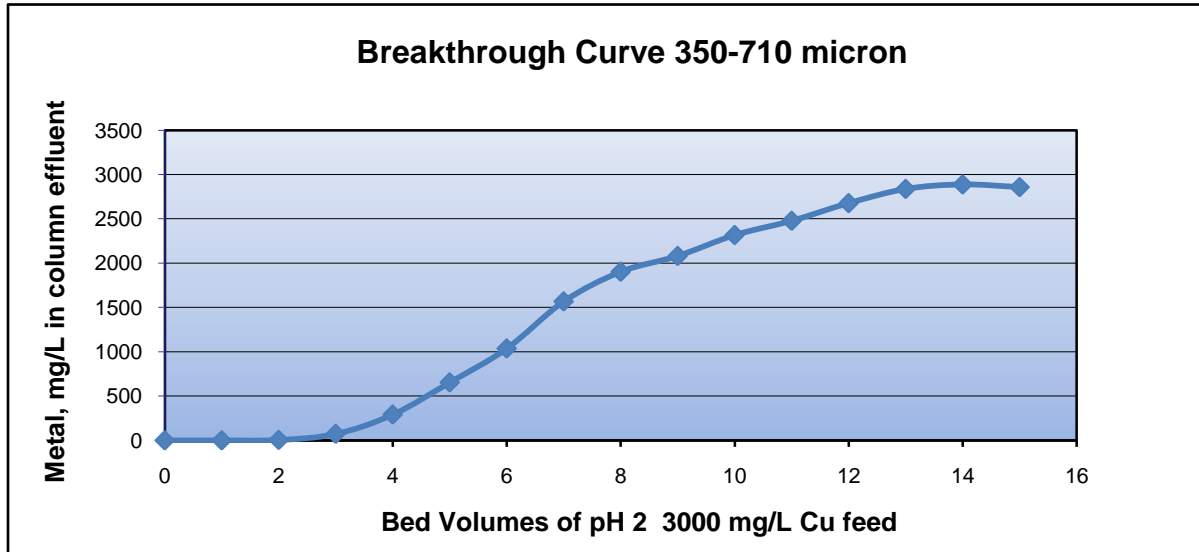
Matrix:	Modified Hydrophilic Polymers Grafted to Amorphous Silica Gel
Physical Form	Irregular or Spherical Particles
Appearance	Off-white to tan
Functional Groups	Picolylamine
Form (as shipped)	Acid

Specifications:

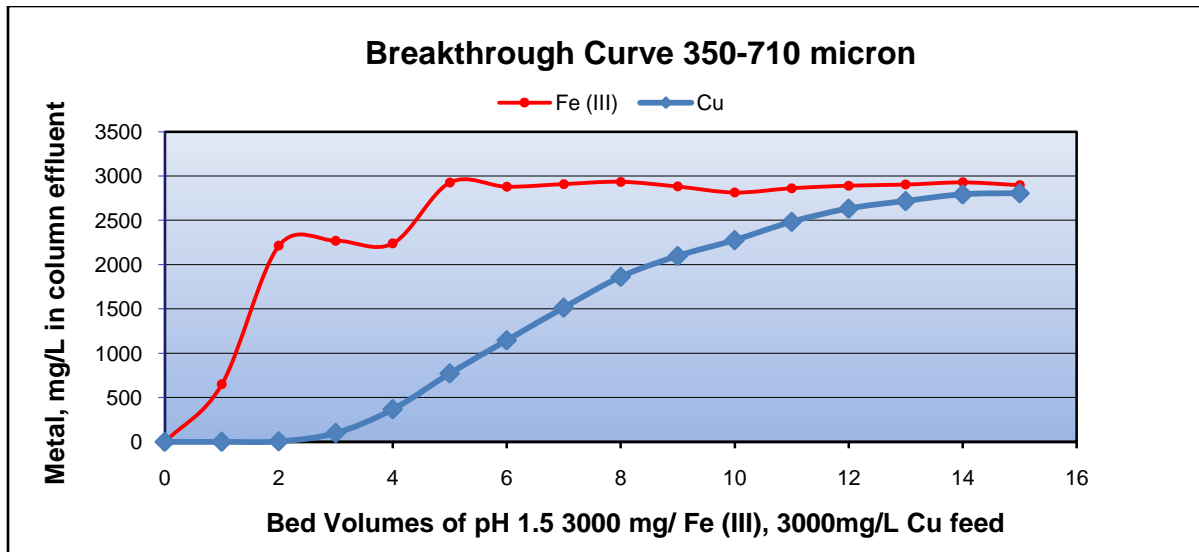
	<u>350-710µm</u>
Percent within size range	>80%
Moisture Content (as shipped)	<15% w/w
Reversible Swelling	0%
Shipping Density (Dry)	<0.7 kg/L
Total Copper Exchange Capacity @ pH 2	>29 g/kg (> 17 g/L)
Usable pH Range (application dependent)	1-11

Performance Specifications Flow Breakthrough Parameters:

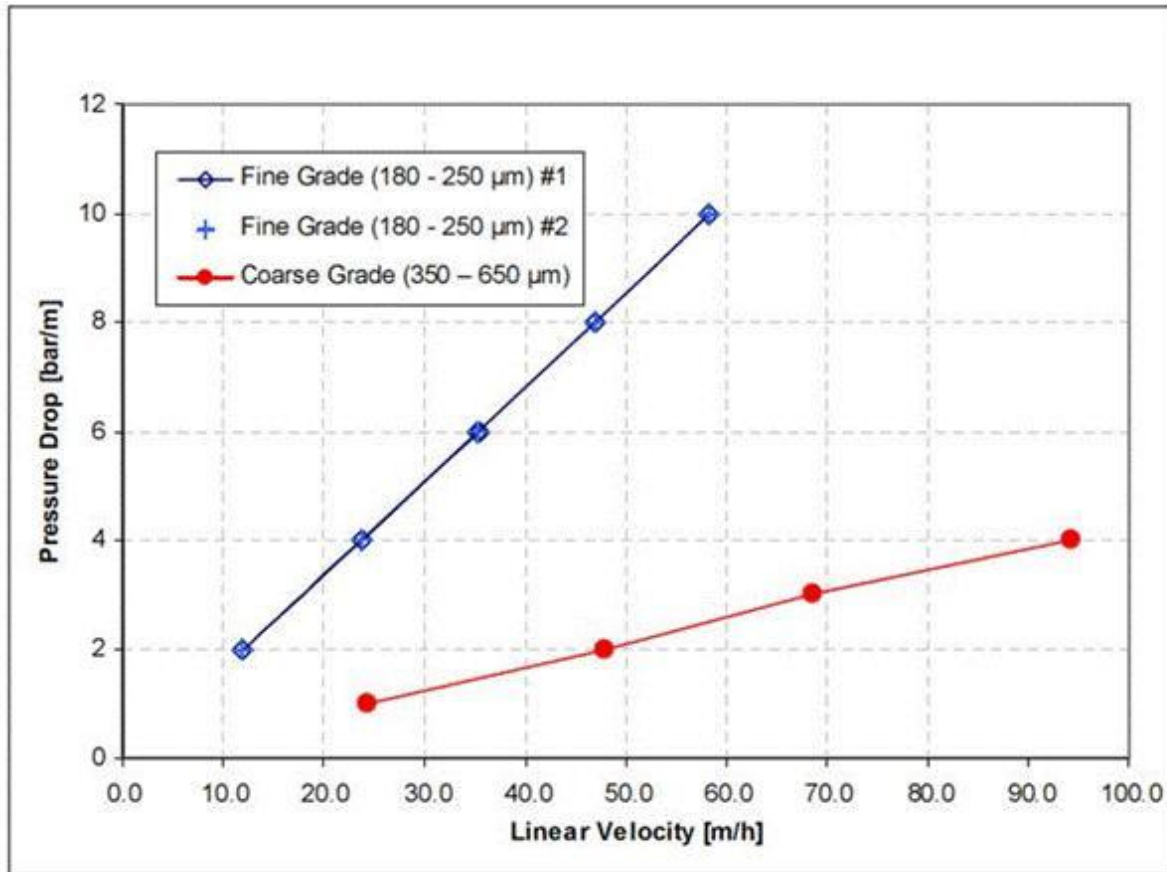
3000 mg/L Cu(II) solution adjusted to pH 2 with H₂SO₄, loading and eluting at 0.1 BV/min, and with loading capacity calculated at 100% copper breakthrough.



3000 mg/L Cu(II), 3000 mg/L Fe(III) solution adjusted to pH 1.5 with H₂SO₄, loading and eluting at 0.1 BV/min, and with loading capacity calculated at 100% copper breakthrough.



Pressure Drop Data:



Basic Product Warranty:

Products are warranted to be free of defects and will conform to the specifications that were tested under the seller's own standard conditions. The actual performance will vary according to the conditions of use. Sufficient bench scale or pilot testing on the end user feed solution should be conducted prior to commercial application.

Products are not suitable for use with hydrofluoric acid or with feed solutions @ pH > 11

Extended Warranty:

All PSI resins are pro-rata warranted for 12 months or 10,000 cycles whichever occurs first. Refer to PSI web site for detailed warranty specifications.

Products are supplied according to seller's terms of sale and delivery, the latest version of which is available on www.puritysystemsinc.com