



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

WP-2 PRODUCT DATA SHEET Last Updated 5th April, 2009

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General Characteristics:

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

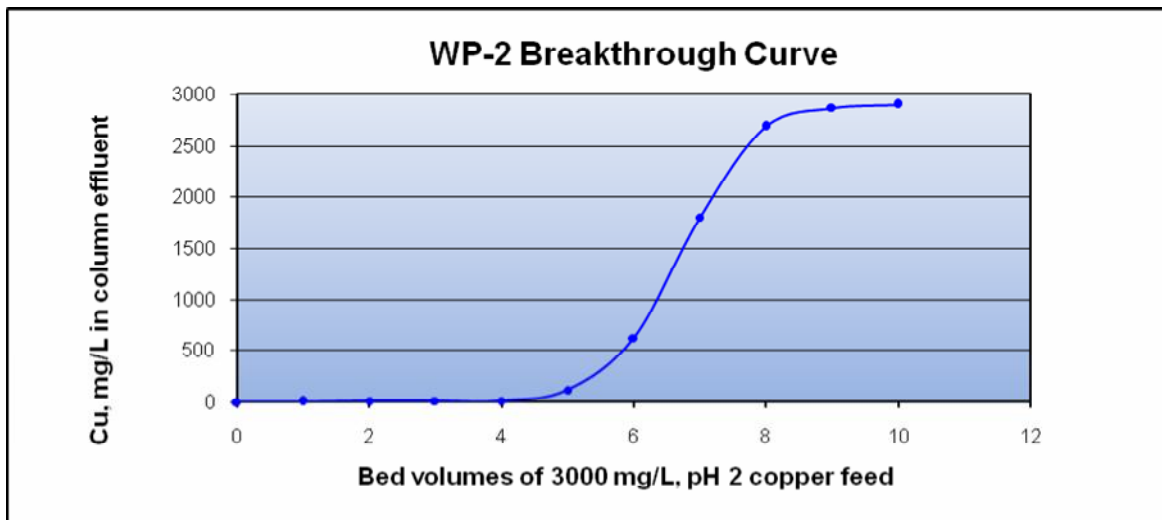
<u>Specifications:</u>	<u>180-250 μm</u>	<u>350-650μm</u>
Percent within size range	80%	80%
Moisture Content (as shipped)	<15% w/w	<15% w/w
Reversible Swelling	0%	0%
Shipping Density (Dry)	<0.7 kg/L	<0.7 kg/L
Total Copper Exchange Capacity @ pH 2	>24 g/kg (> 13 g/L)	>25 g/kg (> 15 g/L)
Usable pH Range (application dependent)	1-11	1-11

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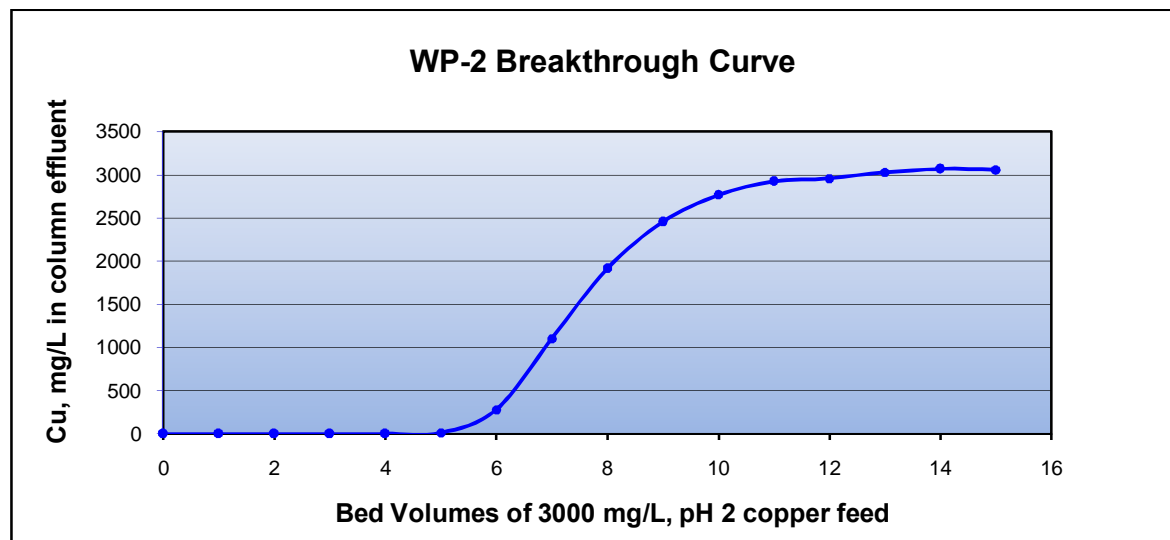
Performance Specifications Flow Breakthrough Parameters:

3000 mg/L Cu(II) solution adjusted to pH 2 with H₂SO₄, loading and eluting at 0.1 BV/min for 180-250 micron particles, 0.05 BV/min for 350-650 micron particles, and with loading capacity calculated at 100% copper breakthrough.

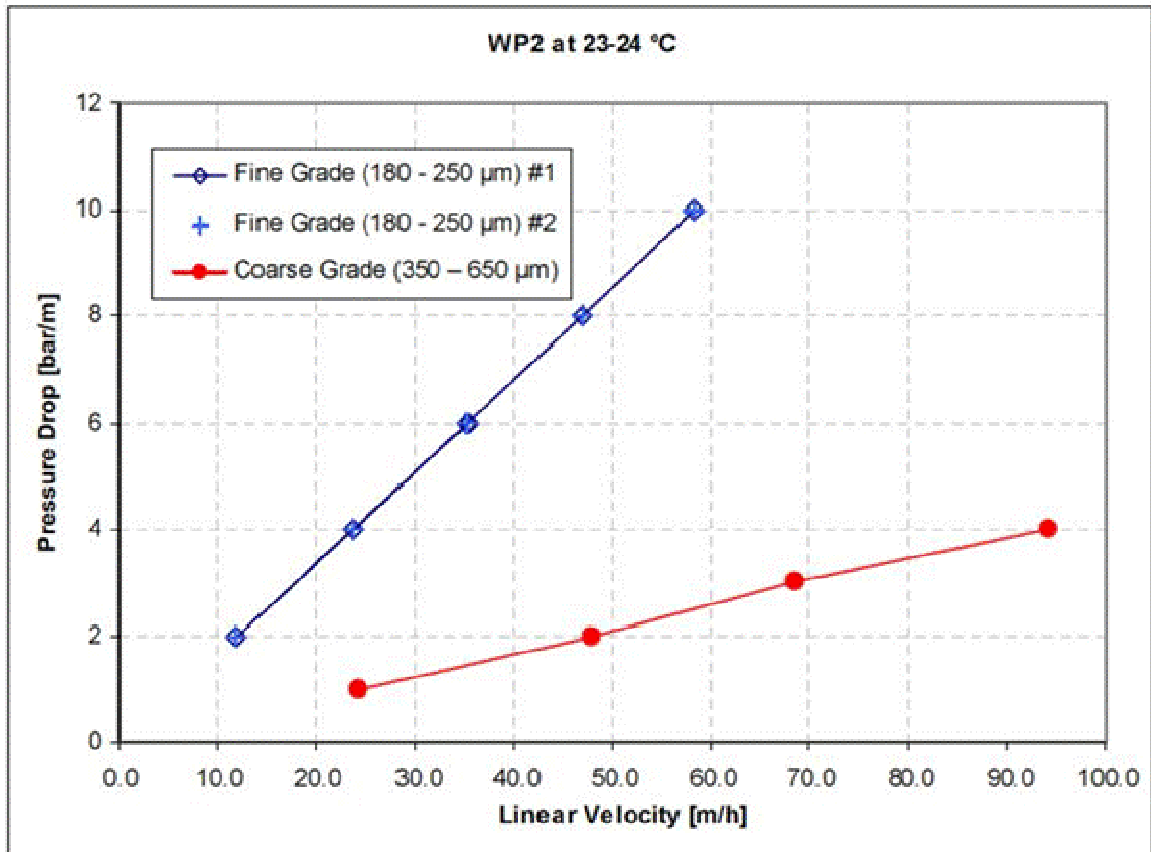
180-250 µm Particle Size:



350-650 µm Particle Size:



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

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