

PRODUCT SPECIFICATION SHEET

SUPRA

SIR-300-pH adj.

CHELATING RESIN

**HEAVY METAL SELECTIVE
pH ADJUSTED
POLYSTYRENIC MACROPOROUS
SODIUM FORM**

ResinTech SIR-300-pH adj. is a pH buffered form macroporous chelating weak acid cation resin. Its unique chelating functionality removes divalent transition metals preferentially to alkaline earth metals such as calcium. It is partially converted to the hydrogen form such that the initial effluent pH is slightly acidic rather than strongly alkaline. SIR-300-pH adj. is intended for the removal of low/moderate concentrations of heavy metals from waste streams.

APPLICATIONS

- Trace Metals Removal

TYPICAL PROPERTIES & PHYSICAL CHARACTERISTICS

Polymer Matrix	Styrenic Macroporous
Ionic Form	Sodium
Functional Group	Iminodiacetic
Physical Form	Spherical Beads
Particle Size	16 to 50 US Mesh (297 - 1190 µm)
% < 50 mesh (300µm)	17%
Minimum Sphericity	95%
Uniformity Coefficient	1.6
Reversible Swelling	H to Na 30% to 40%
Temp Limit	212°F (100°C)
Capacity (meq/mL)	1.4
Moisture Retention	50% to 60%
Shipping Weight	43 - 45 lbs/ft ³ (689 - 721 g/L)
Color	White to Tan
Regenerability	Yes

PACKAGING OPTIONS

- 1 ft³ bags
- 1 ft³ boxes
- 1 ft³ drums
- 7 ft³ drums
- 42 ft³ supersacks

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