

# PRODUCT SPECIFICATION SHEET

## SUPRA SIR-400

CHELATING RESIN

**MERCURY & PRECIOUS METAL SELECTIVE  
POLYSTYRENIC MACROPOROUS  
FREE BASE FORM**

ResinTech SIR-400 is a free base form macroporous chelating weakly basic anion resin. Its unique functionality makes it selective for mercury and other heavy metals as well as for noble metals when present as cations. SIR-400 is intended for mercury removal and removal/recovery of various precious metals.

### APPLICATIONS

- Precious Metals Recovery
- Mercury Removal

### TYPICAL PROPERTIES & PHYSICAL CHARACTERISTICS

<b>Polymer Matrix</b>	Styrenic Macroporous
<b>Ionic Form</b>	Free Base
<b>Functional Group</b>	Thiouronium
<b>Physical Form</b>	Spherical Beads
<b>Particle Size</b>	16 to 50 US Mesh (297 - 1190 µm)
<b>% &lt; 50 mesh (300µm)</b>	< 1%
<b>Minimum Sphericity</b>	95.0%
<b>Uniformity Coefficient</b>	1.6
<b>Temp Limit</b>	212°F (100°C)
<b>Capacity (meq/mL)</b>	2.0
<b>Moisture Retention</b>	35% to 50%
<b>Shipping Weight</b>	43 - 45 lbs/ft <sup>3</sup> (689 - 721 g/L)
<b>Color</b>	White to Tan

### PACKAGING OPTIONS

- 500 ml samples
- 1 ft<sup>3</sup> bags
- 1 ft<sup>3</sup> boxes
- 1 ft<sup>3</sup> drums
- 7 ft<sup>3</sup> drums
- 42 ft<sup>3</sup> supersacks

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