

# PRODUCT SPECIFICATION SHEET

# SUPRA

## SIR-950

SPECIALTY ADSORBANT

FLUORIDE & ORGANICS SELECTIVE  
BONE CHAR ADSORBANT

ResinTech SIR-950 is a specially manufactured bone char carbon. It is a granular activated carbonaceous material that has a unique combination of hydroxyapatite [Ca<sub>10</sub>(PO<sub>4</sub>)<sub>6</sub>(OH)<sub>2</sub>] and carbon. SIR-950 is intended for the removal of fluoride from water as well as the removal of heavy metals, taste and odor, and other contaminants commonly found in water.

### APPLICATIONS

- Fluoride Removal

TYPICAL PROPERTIES & PHYSICAL CHARACTERISTICS	
<b>Functional Group</b>	Hydroxyapatite
<b>Physical Form</b>	Carbonaceous Granules
<b>Particle Size</b>	12 to 50 US Mesh (297 - 1680 µm)
<b>% &lt; 50 mesh (300µm)</b>	< 1%
<b>Temp Limit</b>	212°F (100°C)
<b>Color</b>	Black
<b>Uniform Particle Size</b>	Yes

### PACKAGING OPTIONS

- 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

### SUGGESTED OPERATING CONDITIONS

Maximum temperature	140°F
Minimum bed depth	2 inches in filters 18 inches in tanks
Service flow rate*	
Continuous flow	2 to 5 gpm/cu.ft.
Intermittent flow	15 gpm/cu.ft.

Note: \*To minimize possible bio growth, cartridges should be kept cool once wetted.

These guidelines describe average low risk operating conditions. They are not intended to be absolute minimums or maximums.

For operation outside these guidelines, contact ResinTech Technical Support

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