



**Honeywell Sodium-  
Reduced Titanium  
Sponge**

# Honeywell High-Purity Sodium-Reduced Titanium Sponge

## OVERVIEW

Honeywell is an ISO9001/14001 certified, vertically-integrated producer of high purity titanium for specialty applications. In addition to ultra-high purity titanium for semiconductor applications, we also produce commercially pure titanium sponge with very low levels of nickel, chromium and other metallic impurities. This material is perfectly suited for highly pure CP Ti production, specialty titanium alloys and powder production.

## APPLICATIONS

- Specialty titanium alloys
- Powder production
- Highly-pure CP titanium
- Raw material for high purity refining methods

## BENEFITS

- Low metallic content
- Low interstitial content
- Friability
- Available in range of volumes to suit variety of industrial applications



Salt Lake City Sodium-Reduced Sponge Facility



Reduction Vessels



Leach Operation



Titanium Sponge (Hunter Process)

## PURITY DATA\*

	Wt%	PPM
Aluminum	<0.0005	<5
Chromium	<0.0001	<1
Cobalt	<0.0001	<1
Copper	<0.0002	<2
Iron	<0.0300	<300
Manganese	<0.0010	<10
Nickel	<0.0002	<2
Vanadium	<0.0002	<2
Zirconium	<0.0005	<5
Carbon	<0.0150	<150
Hydrogen	<0.0100	<100
Nitrogen	<0.0020	<20
Oxygen	<0.1000	<1000**

\* Data on any particular lot of material may vary significantly lower than the maximum value.

\*\* Typical Oxygen value is about 700ppm.



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## Honeywell Electronic Materials

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[www.honeywell.com/sm/em](http://www.honeywell.com/sm/em)

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