

## WC Chemical Products

### HAFNIUM OXIDE S GRADE

Element		Analysis
Zr	Zirconium	<1.0%
Al	Aluminum	<100
Fe	Iron	<100
Si	Silicon	<100
Ti	Titanium	<50
U	Uranium	<25

#### Formula

HfO<sub>2</sub>

#### Formula Weight

210.49

#### Description

A white, free-flowing powder.

#### Typical Analysis

On Hf metal basis ppm except where noted

#### Nominal Purity

99.9% (Hf +Zr)O<sub>2</sub>

#### Particle Size

This oxide is supplied as 90% -325 mesh. The typical median is 1-5 microns with FSS size about 1 micron. B.E.T. surface area is nominally 3 -5 m<sup>2</sup>/g.

#### Bulk Density

Nominally 70-80 lbs/ft<sup>3</sup>

#### Packaging

Plastic bags inside metal drums or polyethylene containers

#### Handling

Hafnium oxide is inert and requires no special handling. See MSDS for further information.

Data are typical and should not be construed as maximum or minimum values for specification or for final design.  
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