

## WC Chemical Products

### HAFNIUM OXIDE Technical Grade

Element		Analysis
Zr	Zirconium	<4%
Al	Aluminum	0.15%
Fe	Iron	0.2%
Si	Silicon	0.15%
Ti	Titanium	0.25%
U	Uranium	0.4%
SO <sub>4</sub>	Sulfate	<0.1%

#### Formula

HfO<sub>2</sub>

#### Formula Weight

210.49

#### Description

A free flowing, coarse, tan powder.

#### Typical Analysis

On Hf metal basis percent.

#### Nominal Purity

98-99%(Hf + Zr)O<sub>2</sub>

#### Particle Size

This oxide is typically -8 mesh.

#### Jet Milled

It is also available jet milled with a screen size of nominally 90%-400 mesh. The typical median of the milled oxide is 3-5 microns.

#### Bulk Density

125-135 lbs/ft<sup>3</sup>, 85-95 lbs/ft<sup>3</sup> milled.

#### Packaging

Plastic bags inside metal drums or polyethylene containers.

#### Handling

Hafnium oxide is inert and requires no special handling.

See MSDS for further information.