

# Technical Data Sheet

Hafnium Oxide S Grade



**Table 1. Lot Chemistry (On an as received basis ppm): Additional elements available upon request**

Element		Analysis
Zirconium	Zr	<0.5%
Aluminum	Al	<50
Iron	Fe	<50
Silicon	Si	<100
Titanium	Ti	<50
Uranium	U	<5

## Formula

HfO<sub>2</sub>

## Formula Weight

210.49

## Description

A white, free-flowing powder.

## Nominal Purity

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

## Particle Size

This oxide is supplied as >95% -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

Two plastic liners inside metal or poly shipping containers.

## Handling

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