

Hafnium Oxide Technical Grade

Typical Analysis

Table 1. Typical Chemistry (On Hf metal basis percent)		
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 ₄	Sulfate	<0.1%

FORMULA

HfO₂

FORMULA WEIGHT

210.49

DESCRIPTION

A free flowing, coarse, tan powder.

NOMINAL PURITY

98-99% (Hf + Zr)O₂

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/ft³, 85–95 lbs/ft³ milled.

PACKAGING

Two plastic liners inside metal or poly shipping containers.

HANDLING

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