



Hafnium Oxide Technical Grade

TYPICAL ANALYSIS

Table 1. Typical Chemistry (On Hf metal basis ppm except where noted)

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%
SO4	Sulfate	<0.1%
Hf	Hafnium	Balance

FORMULA

HfO₂

FORMULA WEIGHT

210.49

DESCRIPTION

A free flowing, coarse, tan powder.

NOMINAL PURITY

98-99% (Hf +Zr)O₂

PARTICLE SIZE

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.

JET MILLED

This oxide is typically -8 mesh.

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.

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