

Gadolinium

ZIRCONATE POWDER

Quick FACTS

- ✓ Product : Gadolinium Zirconate Powder
- ✓ Color : White Powder
- ✓ Stock No : NS6130-12-000798
- ✓ CAS : 11073-79-3
- ✓ Purity : 99%
- ✓ APS : 40-60µm
- ✓ Other Metal : 8500ppm

Gadolinium zirconate (GZ) is a promising alternative material with its lower thermal conductivity, better sintering ability, and higher melting point and phase stability. Gadolinium zirconate is a very radiation-resistant material that shows promise for use as a durable storage material for immobilizing plutonium and other actinides. It shows promise to protect aircraft engines as a ceramic coating from volcano ash. Low thermal conductivity oxide used as a thermal barrier coating and for corrosion resistance. Gadolinium zirconate is a very radiation-resistant material.



CE ISO 9001:2015
CERTIFIED COMPANY

ISO: 13485:2016/20ZICE4588M
CE: 20ZICE4589C

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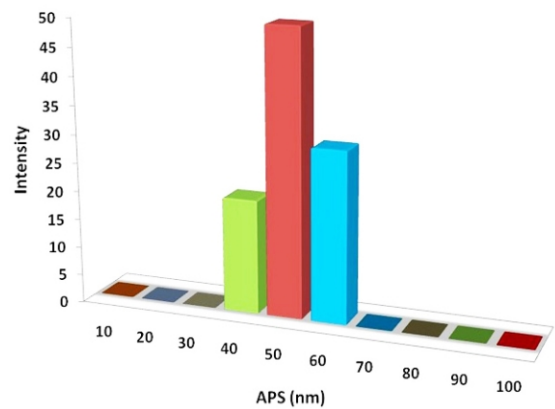
ZIRCONATE POWDER

Applications

- ✓ Various types of buckets and vanes
- ✓ Combustion liners
- ✓ Transition ducts

Packing Sizes Available

10ml, 25ml, 50ml, 100ml,
250ml, 500ml, 1Ltr & Bulk orders



Technical SPECIFICATION

Molecular Formula	Molecular Weight	Density	Melting Point
Gd ₂ O ₇ Zr ₂	607.94g/mol	6.3g/cm ³	2570 °C

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