Zirconium Silicide ($ZrSi_2$) Powder

❖ Product Introduction

Zirconium silicide powder boasts superior high-temperature oxidation resistance and excellent electrical and thermal conductivity for high-temperature components, conductive coatings and thermal management applications.

❖ Product Characteristics

1. Excellent high-temperature oxidation resistance
2. Outstanding electrical and thermal conductivity
3. Adjustable particle size with high purity
4.Hard refractory material featuring favorable wear resistance

❖ Product Specifications

Product ID	Formula	Purity	Size
401400PD001	$ZrSi_2$	99%	-325 Mesh
401400PD002	$ZrSi_2$	99.5%	-325 Mesh
401400PDC01	$ZrSi_2$	Customized	Customized

Chemical Composition (ppm)					
Purity	**Hf (%)**	**Fe**	**Al**	**Cu**	**Mn**
99%	≤0.0005	≤0.5	≤0.05	≤0.01	≤0.02
99.5%	≤0.00025	≤0.3	≤0.01	≤0.002	≤0.005
The purity values shown are calculated by subtracting the sum of selected measured elemental impurities from 100%. These values do not represent the result of a full elemental analysis.					

❖ Typical Applications

Used in refractory materials, electronic ceramics, thermal spray coatings, and high-temperature structural and conductive applications.

❖ Packaging

Outer packaging: carton or fiber drum.
Inner packaging: double vacuum-sealed bags.
Packing specification: 1 kg/bag or 25 kg/drum.
Customized packaging is available upon request.

❖ Storage

During transportation and storage, avoid moisture, contamination and direct sunlight. Keep away from fire sources and corrosive substances. Use the bag as soon as it is opened. The shelf life is no more than 24 months from the production date.

❖ Custom specifications are available, including

- Higher purity
- Narrower Particle Size Distribution
- Special Mesh Size Screenings

❖ Cautions

This product is harmful if swallowed or inhaled, and may cause skin and eye irritation. Inhalation may irritate the respiratory tract; avoid inhalation. We recommend that customers inform us of their intended use before purchasing to ensure proper product use.

Disclaimer

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