HALBLEITER MATERIAL

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Technical Data Sheet

Zirconium Silicide Powder

Product ID: **401400PD001 / 401400PD002**

Formular: $ZrSi_2$ **Molecular weight:** 147.39 g/mol

CAS No.: 12039-90-6 **EINECS No.:** 234-911-1

Color: Grey

Description: Our zirconium silicide powder features purity levels of ≥99% and 99.5%, with customizable particle sizes to meet different requirements. It offers excellent high-temperature oxidation resistance as well as outstanding electrical and thermal conductivity.

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

Product Image:

1. Sizes

Product ID	Formular	Particle Size
401400PD001	$ZrSi_2$ (99%)	-325 Mesh
401400PD002	$ZrSi_2$ (99.5%)	-325 Mesh
401400PD2NDZ	$ZrSi_2$ (99%)	Customized
401400PD2N5DZ	$ZrSi_2$ (99.5%)	Customized

2. Chemical compositions

	Chemical Composition (ppm)				
Element / Typical Value / Purity	Hf (%)	Fe	Al	Cu	Mn
99%	≤ 5	≤ 5000	≤ 500	≤ 100	≤ 200
99.5%	≤ 2.5	≤ 3000	≤ 100	≤ 20	≤ 50

Note: 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.

3. Packaging

Bottle/Bag.
Double vacuum packed.
Custom packaging is available.

4. Period of Validity

It is recommended to use this product within 12 months. If it is overdue, the product quality status should be re-evaluated.

4. Handling and Storage

When using, wear appropriate protective equipment and operate in a dry, well-ventilated environment and avoid moisture, oxidation, and dust dispersion during use.

Store in a tightly sealed container under cool, dry place, keep away from heat sources and strong oxidizing agents.

Contact Us

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