

Technical Data Sheet

Hafnium Silicide Powder

Product ID: 721400PD001**Formula:** HfSi₂**Molecular weight:** 234.66 g/mol**CAS No.:** 12401-56-8**EINECS No.:** 235-640-1**Color:** Dark gray**Description:** Hafnium disilicide powder combines outstanding thermal stability, oxidation resistance, and electrical performance for demanding high-temperature and semiconductor applications.**Application:** Semiconductor manufacturing, aerospace components, high-temperature coatings, and advanced ceramic and composite materials.**Product****Image:**

1. Sizes

Product ID	Formular	Particle Size
721400PD001	HfSi ₂ (99%)	-325 Mesh
721400PDDZ	HfSi ₂ (99%)	Customized

2. Chemical compositions

	Metal Impurities (ppm)					
Element Typical Value Purity	Zr	Fe	Al	Cr	Mn	Cu
99%	≤ 2 wt%	≤ 3000	≤ 500	≤ 500	≤ 200	≤ 100

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.

5. Handling and Storage

Handle in a well-ventilated area and avoid generating dust; wear appropriate personal protective equipment during use.

Store in a tightly sealed container in a cool, dry, well-ventilated place away from moisture and incompatible substances.

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