

Technical Data Sheet

Molybdenum Silicide Powder

Product ID: 421401PD001 - 421401PD005

Formular: MoSi₂

Molecular weight: 152.13 g/mol

CAS No.: 12136-78-6

EINECS No.: 235-231-8

Color: Dark gray

Description: Our molybdenum disilicide powder has a purity of ≥99.5% and can be customized to different particle sizes as required. It offers a high melting point, high strength, excellent oxidation resistance, and good electrical and thermal conductivity.

Application: High-temperature heating elements, aerospace components, electronic materials, and protective coatings.

Product

Image:



1. Physical Properties

Product ID	Formula	Particle size
421401PD001	MoSi ₂ (99.5%)	-100 Mesh
421401PD002	MoSi ₂ (99.5%)	-200 Mesh
421401PD003	MoSi ₂ (99.5%)	-325 Mesh
421401PD004	MoSi ₂ (99.5%)	D50< 5µm
421401PD005	MoSi ₂ (99.5%)	D50< 10µm
421401PDDZ	MoSi ₂ (99.5%)	Customized

2. Chemical compositions

Element Typical Value Purity	Metal impurities (ppm)					
	Al	Ca	Cu	Fe	Ni	Ti
99.5%	≤ 100	≤ 200	≤ 50	≤ 500	≤ 50	≤ 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

Bottled / Bag.

Double vacuum packed.

Customized according to customer requirements.

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

When using, wear a dust mask to prevent dust inhalation, and operate in a well-ventilated environment.

Store in a sealed container in a cool, dry place to prevent moisture and contamination.

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