

Technical Data Sheet

Molybdenum Metal Powder

Product ID: 4200PD001 - 4200PD004

Formular: Mo

Molecular weight: 95.94 g/mol

CAS No.: 7439-98-7

EINECS No.: 231-107-2

Color: Dark gray

Description: Our molybdenum powder is available in 99.9% and 99.99% purity, in both spherical and irregular shapes, with customizable particle sizes to meet specific requirements. It offers extremely high strength, excellent corrosion resistance, and outstanding electrical and thermal conductivity.

Application: Aerospace, electronics, energy, powder metallurgy, and high-temperature alloy manufacturing.

**Product
Image:**



1. Sizes

Product ID	Formular	Size	Shape
4200PD001	Mo (99.9%)	10-53 µm	Spherical
4200PD002	Mo (99.9%)	45-105 µm	Spherical
4200PD003	Mo (99.95%)	- 200 Mesh	Irregular
4200PD004	Mo (99.95%)	- 325 Mesh	Irregular
4200PD3NDZ	Mo (99.9%)	Customized	Spherical / Irregular
4200PD3N5DZ	Mo (99.95%)	Customized	Spherical / Irregular

2. Chemical compositions

Element Typical Value Purity	Metal impurities (ppm)					
	Fe	Ni	Si	Cr	Cu	Sn
99.9%	≤ 300	≤ 100	≤ 200	≤ 100	≤ 50	≤ 50
99.95%	≤ 100	≤ 50	≤ 100	≤ 50	≤ 20	≤ 20

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.

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 appropriate protective equipment to avoid inhaling dust or direct contact with skin, and operate in a dry, well-ventilated environment.

Store it in sealed containers in a cool, dry place away from air and humidity.

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