

**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.

## Contact Us

Website: [www.vimaterial.de](http://www.vimaterial.de)

Email: [info@vimaterial.de](mailto:info@vimaterial.de)

Tel: 0049 1626484175

Add: Begener Straße 14., 30625 Hannover, Niedersachsen, Germany.