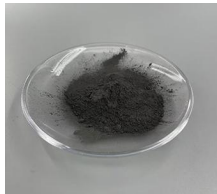


## Technical Data Sheet

# Zirconium Hydride Powder

<b>Product ID:</b>	400100PD001 - 400100PD008		
<b>Formular:</b>	ZrH <sub>2</sub>	<b>Molecular weight:</b>	93.24 g/mol
<b>CAS No.:</b>	7704-99-6	<b>EINECS No.:</b>	231-727-3
<b>Color:</b>	Grey		
<b>Description:</b>	Our Zirconium Hydride powder is available in 99.5% and 99.9% purity grades, with customizable particle sizes to meet different requirements. It features high hydrogen storage density, excellent thermal stability, and outstanding neutron moderation performance.		
<b>Application:</b>	Hydrogen storage materials, powder metallurgy, pyrotechnics, vacuum getter materials, nuclear industry, etc.		

**Product  
Image:**



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### 1. Sizes

Product ID	Formular	Particle Size
400100PD001	ZrH <sub>2</sub> (99.5%)	-100 Mesh
400100PD002	ZrH <sub>2</sub> (99.5%)	-200 Mesh
400100PD003	ZrH <sub>2</sub> (99.5%)	-325 Mesh
400100PD004	ZrH <sub>2</sub> (99.5%)	D50< 10µm
400100PD005	ZrH <sub>2</sub> (99.5%)	D50< 20µm
400100PD006	ZrH <sub>2</sub> (99.9%)	-100 Mesh
400100PD007	ZrH <sub>2</sub> (99.9%)	-200 Mesh
400100PD008	ZrH <sub>2</sub> (99.9%)	-325 Mesh
400100PD2N5DZ	ZrH <sub>2</sub> (99.5%)	Customized
400100PD3NDZ	ZrH <sub>2</sub> (99.9%)	Customized

## 2. Chemical compositions

		Chemical Composition (ppm)					
Element Typical Value Purity	Hf (%)	Fe	Mg	Al	Ti	Pb	Ni
	99.5%	≤ 2.5	≤ 2000	≤ 1000	≤ 500	≤ 100	≤ 50
99.9%	≤ 1	≤ 300	≤ 200	≤ 20	≤ 50	≤ 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 in a dry, well-ventilated environment and avoid contact with moisture, heat, and open flames.

Store in a tightly sealed container under cool, dry, and inert conditions away from oxidizing agents and sources of ignition.

## 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.