

## Technical Data Sheet

# Aluminum Oxide Powder

**Product ID:** 130800PD001 - 130800PD005

**Formular:**  $\text{Al}_2\text{O}_3$

**Molecular weight:** 101.96 g/mol

**CAS No.:** 1344-28-1

**EINECS No.:** 215-691-6

**Color:** White

**Description:** Alumina powder features high hardness, excellent heat resistance, wear and corrosion resistance, and we offer granulated, spherical, and nano powders with purity up to 99.995%.

**Application:** Refractory materials, ceramic products, electronic packaging, catalyst supports, and high-performance composite materials, etc.

**Product**

**Image:**



---

### 1. Sizes

Product ID	Formular	Size	Shape
130800PD001	$\text{Al}_2\text{O}_3$ (99.5%)	-60 + 325 Mesh	Irregular
130800PD002	$\text{Al}_2\text{O}_3$ (99.8%)	D50=40-50 $\mu\text{m}$	Spherical
130800PD003	$\text{Al}_2\text{O}_3$ (99.9%)	10-70 $\mu\text{m}$	Irregular
130800PD004	$\text{Al}_2\text{O}_3$ (99.9%)	<100 nm	Irregular
130800PD005	$\text{Al}_2\text{O}_3$ (99.995%)	D50<10 $\mu\text{m}$	Irregular
130800PD2N5DZ	$\text{Al}_2\text{O}_3$ (99.5%)	Customized	Irregular
130800PD2N8DZ	$\text{Al}_2\text{O}_3$ (99.8%)	Customized	Spherical
130800PD3NDZ	$\text{Al}_2\text{O}_3$ (99.9%)	Customized	Irregular
130800PD4N5DZ	$\text{Al}_2\text{O}_3$ (99.995%)	Customized	Irregular

## 2. Chemical compositions

Element Typical Value Purity	Metal impurities (ppm)		
	Na <sub>2</sub> O	Fe <sub>2</sub> O <sub>3</sub>	SiO <sub>2</sub>
99.5%	≤ 1000	≤ 500	≤ 1500
99.8%	≤ 500	≤ 200	≤ 600
99.9%	≤ 300	≤ 200	≤ 500
99.995%	≤ 30	≤ 1	≤ 17

*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 dust generation and ensure good ventilation.

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

## Contact Us

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

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

Tel: 0049 1626484175

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