

Technical Data Sheet

Magnesium Oxide Powder

Product ID: 120800PD001 - 120800PD004

Formular: MgO

Molecular weight: 40.3 g/mol

CAS No.: 1309-48-4

EINECS No.: 215-171-9

Color: White

Description: Our magnesium oxide is available in nano powder and high-purity powder forms, with customizable particle sizes to meet specific requirements, offering advantages such as high purity, excellent electrical insulation, and superior chemical stability.

Application: Electronics, ceramics, coatings, rubber, and high-temperature refractory applications.

**Product
Image:**



1. Sizes

Product ID	Formular	Particle Size
120800PD001	MgO (99.5%)	<500 nm
120800PD002	MgO (99.9%)	-325 Mesh
120800PD003	MgO (99.9%)	D50< 15µm
120800PD004	MgO (99.95%)	-325 Mesh
120800PD2N5DZ	MgO (99.5%)	Customized
120800PD3NDZ	MgO (99.9%)	Customized
120800PD3N5DZ	MgO (99.95%)	Customized

2. Chemical compositions

Element Typical Value Purity	Metal impurities (ppm)					
	Al	Ca	Fe	Cu	Cd	Sn
99.5%	≤ 300	≤ 300	≤ 300	≤ 100	≤ 100	≤ 100
99.9%	≤ 150	≤ 200	≤ 50	≤ 50	≤ 50	≤ 50
99.95%	≤ 50	≤ 50	≤ 30	≤ 20	≤ 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.

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.

5. Handling and Storage

When using, wear protective equipment to avoid inhalation of dust or skin contact, and operate in a well-ventilated environment.

Store in a sealed container in a cool, dry place, away from moisture and acidic substances.

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