

Technical Data Sheet

Aluminum Oxide / Titanium Dioxide Powder

Product ID: 1308220800PD001 / 1308220800PD002

Formula: $\text{Al}_2\text{O}_3/\text{TiO}_2$ **Molecular weight:** /

CAS No.: / **EINECS No.:** /

Color: Gray-black

Description: Combines excellent hardness, wear resistance, chemical stability, and enhanced optical performance, making it ideal for advanced ceramic and coating applications.

Application: Thermal spray coatings, as well as advanced ceramics, wear-resistant surfaces, and industrial coating applications.

Product

Image:



1. Sizes

Product ID	Formula	Size
1308220800PD001	$\text{Al}_2\text{O}_3/\text{TiO}_2$ (60/40wt%)	15-45 μm
1308220800PD002	$\text{Al}_2\text{O}_3/\text{TiO}_2$ (60/40wt%)	45-75 μm
1308220800PDDZ	$\text{Al}_2\text{O}_3/\text{TiO}_2$ (60/40wt%)	Customized

2. Chemical compositions

Element Typical Value Purity	Metal impurities (ppm)					
	Al_2O_3	TiO_2	Si	Fe	Mg	Ca
99.5%	58-62 wt%	38-42 wt%	≤ 500	≤ 400	≤ 300	≤ 300

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

Handle in a well-ventilated area and avoid generating or inhaling dust by using appropriate personal protective equipment.

Store in a tightly sealed container in a cool, dry place away from moisture and incompatible materials.

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