

Technical Data Sheet

Niobium Pentoxide Pellets

Product ID: 410800PL001 - 410800PL002

Formular: Nb₂O₅

Molecular weight: 265.81 g/mol

CAS No.: 1313-96-8

EINECS No.: 215-213-6

Color: Black / White

Description: Our niobium pentoxide pellets have a typical purity of ≥99.99% and are available in white and black. They can also be customized in various sizes and purities as needed. They feature excellent chemical stability, high-temperature resistance, and good conductivity.

Application: Electronics industry, optical coatings, catalysts, energy materials, etc.

Product

Image:



1. Sizes

Product ID	Formular	Size	Color
410800PL001	Nb ₂ O ₅ (99.99%)	Ø 10 mm x 8 mm	Black / White
410800PL002	Nb ₂ O ₅ (99.99%)	Ø 20 mm x 11 mm	Black / White
410800PLDZ	Nb ₂ O ₅ (99.99%)	Customized	Customized

2. Chemical compositions

Element Typical Value Purity	Metal impurities (ppm)						
	Ta	Si	Cr	Al	Fe	Ti	Mn
99.99%	≤ 25	≤ 25	≤ 5	≤ 5	≤ 10	≤ 5	≤ 10

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.

Customized packaging available upon request.

4. Period of Validity

It is recommended to use this product within 12 months. If it is overdue, the product quality status shall be re evaluated.

5. Handling and Storage

When using, wear protective equipment (such as gloves and safety goggles) to avoid inhalation of dust or skin contact.

Stored in a dry, well-ventilated environment, avoiding contact with moisture or corrosive substances.

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