

Technical Data Sheet

Samarium Metal Powder

Product ID: 6200PD001

Formular: Sm

Molecular weight: 150.4 g/mol

CAS No.: 7440-19-9

EINECS No.: 231-128-7

Color: Silver gray to gray black

Description: Our samarium powder typically has a purity of 99.9%, offers paramagnetic properties, and demonstrates antiferromagnetic behavior at low temperatures. The particle size can be customized according to requirements.

Application: Permanent magnets, nuclear industry, electronics industry, scientific research, etc.

Product



Image:

1. Sizes

Product ID	Formular	Size
6200PD001	Sm (99.9% (Sm/RE))	-325 Mesh
6200PDDZ	Sm (99.9% (Sm/RE))	Customized

2. Chemical compositions

Element Typical Value Purity	Metal impurities (ppm)							
	La	Ce	Pr	Nd	Eu	Tb	Ho	Y
99.9% (Sm/RE)	≤ 0.02	≤ 0.01	≤ 0.01	≤ 0.01	≤ 0.02	≤ 0.01	≤ 0.01	≤ 0.01

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

Bottled/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 a protective gear to prevent inhalation or skin contact.

Store in a dry, inert gas environment to avoid oxidation and moisture.

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