

Technical Data Sheet

Zirconium Carbide Powder

Product ID: 400600PD001

Formular: ZrC

Molecular weight: 103.23 g/mol

CAS No.: 12070-14-3

EINECS No.: 235-125-1

Color: Black

Description: Our zirconium carbide typically has a purity of $\geq 99\%$, offering exceptional hardness and wear resistance, and is stable for use in high-radiation environments.

Application: Aerospace industry, nuclear industry, cutting tools, metallurgy industry, spraying and coating, etc.

Product

Image:



1. Sizes

| Product ID | Formular | Particle Size |
|-------------|-----------|-----------------------|
| 400600PD001 | ZrC (99%) | D50 < 5 μm |
| 400600PDDZ | ZrC | Customized |

2. Chemical compositions

| Element Typical Value Purity | Chemical Composition (wt%) | | | | |
|---------------------------------------|----------------------------|-------------|-------------|-------------|-------------|
| | Zr | T.C | Hf | Fe | F.C |
| 99% | ≥ 84.0 | ≥ 11.0 | ≤ 2.50 | ≤ 0.50 | ≤ 0.30 |

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 protective equipment (such as gloves, goggles, and a dust mask) to avoid inhalation of dust or skin contact.

Store in a cool, dry place, away from acids, moisture, and other reactive materials.

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