HALBLEITER MATERIAL

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Technical Data Sheet

Titanium Aluminum Carbide Powder

Product ID: **22130600PD001**

Formular: Ti_3AlC_2 **Molecular weight:** 194.6 g/mol

CAS No.: 196506-01-1 **EINECS No.:** /

Color: Grey-black

Description: Our Ti_3AlC_2 powder typically has a purity of over 99%. It is a MAX-phase ceramic material with high electrical conductivity, high thermal conductivity, excellent heat resistance, and oxidation resistance.

Application: High-temperature structural materials, electronics and energy storage, coating materials, lubrication materials, etc.

Product Image:

1. Sizes

Product ID	Formular	Particle Size
22130600PD001	Ti_3AlC_2 (99%)	-200 Mesh
22130600PDDZ	Ti_3AlC_2	Customized

2. Chemical compositions

	Metal impurities (wt%)					
Element / Typical Value / Purity	Zn	Cu	Mg	Fe	Mn	Si
99%	≤0.02	≤0.03	≤0.1	≤0.15	≤0.1	≤0.1

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 dry, sealed environment, away from strong acids, strong oxidizers, and moisture.

Contact Us

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