

Technical Data Sheet

Titanium Disilicide Granules

Product ID:	221401GN001 - 221401GN004		
Formular:	TiSi ₂	Molecular weight:	104.04 g/mol
CAS No.:	12039-83-7	EINECS No.:	234-904-3
Color:	Gray		
Description:	Our titanium disilicide granules comes in 99.5% and 99.9% purity, with customizable sizes to meet specific requirements. It offers excellent electrical conductivity, thermal stability, and chemical resistance.		
Application:	Semiconductors Electronic devices Aerospace Wear-resistant materials in high-temperature and high-pressure environments.		

**Product
Image:**



1. Sizes

Product ID	Formular	Particle Size
221401GN001	TiSi ₂ (99.5%)	3 - 6 mm
221401GN002	TiSi ₂ (99.5%)	1 - 10 mm
221401GN003	TiSi ₂ (99.9%)	3 - 6 mm
221401GN004	TiSi ₂ (99.9%)	1 - 10 mm
221401GN2N5DZ	TiSi ₂ (99.5%)	Customized
221401GN3NDZ	TiSi ₂ (99.9%)	Customized

2. Chemical compositions

		Metal impurities (ppm)			
Element Typical Value Purity					
	Fe	Mn	Cu	Mg	
99.5%	≤ 500	≤ 300	≤ 200	≤ 250	
99.9%	≤ 300	≤ 100	≤ 130	≤ 80	

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.
Outer cardboard box or drum packaging.
Customized packaging is available.

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 and operate in a dry, well-ventilated environment, avoiding contact with moisture or acidic/alkaline substances.

Store in a sealed container, away from moisture and high temperatures, and keep at room temperature.

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