

## Technical Data Sheet

# Titanium Disilicide Powder

<b>Product ID:</b>	221401PD001 - 221401PD005		
<b>Formular:</b>	TiSi <sub>2</sub>	<b>Molecular weight:</b>	104.04 g/mol
<b>CAS No.:</b>	12039-83-7	<b>EINECS No.:</b>	234-904-3
<b>Color:</b>	Dark gray		
<b>Description:</b>	Our titanium disilicide powders are available in 99.5% and 99.9% purity, with customizable particle sizes to meet specific requirements. They offer high electrical conductivity, excellent high-temperature stability, and outstanding oxidation resistance.		
<b>Application:</b>	Microelectronics, semiconductor contacts, high-temperature structural, etc.		

**Product  
Image:**



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### 1. Sizes

Product ID	Formular	Particle Size
221401PD001	TiSi <sub>2</sub> (99.5%)	-200 Mesh
221401PD002	TiSi <sub>2</sub> (99.5%)	-325 Mesh
221401PD003	TiSi <sub>2</sub> (99.5%)	D50 < 10µm
221401PD004	TiSi <sub>2</sub> (99.9%)	-200 Mesh
221401PD005	TiSi <sub>2</sub> (99.9%)	-325 Mesh
221401PD2N5DZ	TiSi <sub>2</sub> (99.5%)	Customized
221401PD3NDZ	TiSi <sub>2</sub> (99.9%)	Customized

## 2. Chemical compositions

		Metal impurities (ppm)				
Element Typical Value Purity	Fe	Mn	Cu	Mg	Ni	
	99.5%	≤ 500	≤ 300	≤ 100	≤ 250	≤ 250
99.9%	≤ 300	≤ 100	≤ 50	≤ 100	≤ 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 while avoiding moisture, oxidation, and dust generation.

Store in a sealed container in a cool, dry place away from air and humidity to maintain product stability.

## Contact Us

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