

## Technical Data Sheet

# Zirconium Silicide Sputtering Target

<b>Product ID:</b>	401400ST001 - 401400ST003		
<b>Formular:</b>	ZrSi <sub>2</sub>	<b>Molecular weight:</b>	147.39 g/mol
<b>CAS No.:</b>	12039-90-6	<b>EINECS No.:</b>	234-911-1
<b>Color:</b>	Dark grey		
<b>Description:</b>	Zirconium Silicide targets feature high electrical conductivity, excellent high-temperature and oxidation resistance, enabling stable thin-film deposition with strong adhesion.		
<b>Application:</b>	Used in semiconductors, integrated circuits, optical coatings, and high-temperature protective thin-film applications.		

**Product  
Image:**



### 1. Sizes

Product ID	Formular	Size
401400ST001	ZrSi <sub>2</sub> (99.5%)	Ø 50.8 mm x 3.175 mm
401400ST002	ZrSi <sub>2</sub> (99.5%)	Ø 76.2 mm x 6.35 mm
401400ST003	ZrSi <sub>2</sub> (99.5%)	Ø 232.4 mm x 6.35 mm
401400STDZ	ZrSi <sub>2</sub> (99.5%)	Customized

### 2. Chemical compositions

		Chemical Composition (ppm)				
Element Typical Value Purity	Hf (%)	Fe	Si	Mg	Mn	Mo
	99.5%	≤ 2.5	≤ 3000	≤ 200	≤ 100	≤ 100

*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**

Carton/wooden box outer bag.  
Double vacuum inner bag.  
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.

### **4. Handling and Storage**

When using, wear appropriate protective equipment and operated in a clean, dry vacuum environment to avoid contamination and ensure stable sputtering performance.

Store in a sealed, moisture-free environment at room temperature, away from acids and oxidizing substances.

### **Contact Us**

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