

## Technical Data Sheet

# Molybdenum Carbide Sputtering Target

**Product ID:** 420600ST001

**Formular:** Mo<sub>2</sub>C

**Molecular weight:** 203.89 g/mol

**CAS No.:** 12069-89-5

**EINECS No.:** 235-115-7

**Color:** Black

**Description:** Our molybdenum carbide sputtering targets typically have a purity of ≥99.5%, and can be customized in various sizes according to customer requirements. They feature excellent electrical conductivity as well as superior hardness and wear resistance.

**Application:** Microelectronics and semiconductor device manufacturing, hard protective coatings, catalytic functional films, energy device thin films, etc.

**Product  
Image:**



### 1. Sizes

Product ID	Formular	Size
420600ST001	Mo <sub>2</sub> C (99.5%)	Ø 203.2 mm x 6.35 mm
420600STDZ	Mo <sub>2</sub> C	Customized

### 2. Chemical compositions

	Chemical Composition (wt%)				
Element Typical Value Purity	Fe	Si	W	Ca	Mg
99.5%	≤ 0.10	≤ 0.05	≤ 0.10	≤ 0.10	≤ 0.05

*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.

Custom packaging is also available upon request.

### **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 sealed, moisture-free container in a cool, dry place to prevent oxidation and contamination.

### **Contact Us**

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