

Technical Data Sheet

Molybdenum Silicide Sputtering Target

Product ID: 421401ST001 - 421401ST004

Formular: MoSi₂

Molecular weight: 152.13 g/mol

CAS No.: 12136-78-6

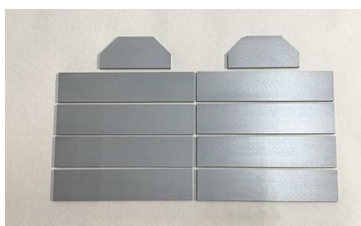
EINECS No.: 235-231-8

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Description: Our molybdenum silicide sputtering targets are available in 99.5% and 99.9% purity and can be customized to various sizes as required, offering excellent electrical conductivity and outstanding oxidation resistance.

Application: Thin-film deposition, semiconductor fabrication, and advanced electronic and optical coatings.

**Product
Image:**



1. Physical Properties

Product ID	Formula	Size
421401ST001	MoSi ₂ (99.5%)	Ø 76.2 mm x 6.35 mm
421401ST002	MoSi ₂ (99.9%)	Ø 200 mm x 4 mm
421401ST003	MoSi ₂ (99.5%)	150 mm x 100 mm x 6 mm
421401ST004	MoSi ₂ (99.9%)	300 mm x 100 mm x 6 mm
421401ST2N5DZ	MoSi ₂ (99.5%)	Customized
421401ST3NDZ	MoSi ₂ (99.9%)	Customized

2. Chemical compositions

Element Typical Value Purity	Metal impurities (ppm)					
	Al	Ca	Cu	Fe	Ni	Ti
99.5%	≤ 100	≤ 200	≤ 50	≤ 500	≤ 50	≤ 100
99.9%	≤ 80	≤ 100	≤ 30	≤ 200	≤ 30	≤ 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

Double vacuum inner bag.

Carton/wooden box outer bag.

Customized according to customer requirements.

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

Handle in a clean, dry environment and avoid impact or contamination to ensure film quality.

Store in a cool, dry place with moisture- and dust-protective packaging to maintain material stability.

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