

Technical Data Sheet

Ruthenium Sputtering Target

Product ID: 4400ST001 - 4400ST005

Formular: Ru

Molecular weight: 101.07 g/mol

CAS No.: 7440-18-8

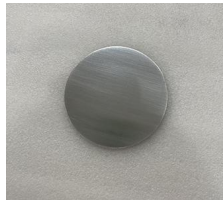
EINECS No.: 231-127-1

Color: Silver gray

Description: Ruthenium sputtering targets feature excellent electrical and thermal conductivity, outstanding corrosion resistance, and high-temperature stability, enabling uniform thin-film deposition with strong adhesion.

Application: Semiconductors, display panels, precision electronic coatings, etc.

Product Image:



1. Sizes

Product ID	Formular	Size
4400ST001	Ru (99.95%)	Ø 20 mm x 15 mm
4400ST002	Ru (99.95%)	Ø 50.8 mm x 3.175 mm
4400ST003	Ru (99.95%)	Ø 101.6 mm x 3.175 mm
4400ST004	Ru (99.95%)	Ø 101.6 mm x 6.35 mm
4400ST005	Ru (99.95%)	200 mm x 50 mm x 5mm
4400STDZ	Ru (99.95%)	Customized

2. Chemical compositions

Element Typical Value Purity	Metal impurities (ppm)						
	Pt	Rh	Pd	Au	Mg	Zr	Al
99.95%	≤ 50	≤ 80	≤ 20	≤ 50	≤ 50	≤ 40	≤ 20

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.

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 and dry environment to avoid surface contamination, scratches, or strong mechanical impact.

Store in a sealed, cool, and dry environment to prevent moisture, oxidation, and contact with corrosive substances.

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