

Technical Data Sheet

Silicon Rotary Target

Product ID: 1400RT001 - 1400RT004

Formula: Si

Molecular weight: 28.09 g/mol

CAS No.: 7440-21-3

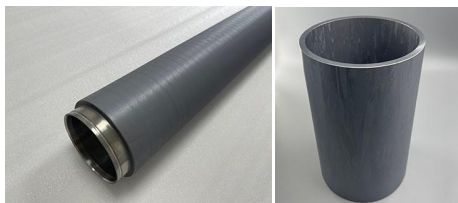
EINECS No.: 231-130-8

Color: Gray

Description: Silicon rotary targets offer high purity, stable sputtering performance, and uniform material deposition, with sprayed tube targets available in 99.9% and 99.95% purity and bonded tube targets available in 99.999% purity.

Application: Semiconductor, photovoltaic, optical, display, and electronic applications, etc.

**Product
Image:**



1. Sizes

Product ID	Formula	Size	Construction Type
1400RT001	Si (99.9%)	OD149 x ID133 x 1550 mm SS: OD133 x ID125 x 1600 mm	Sprayed
1400RT002	Si (99.95%)	OD149 x ID133 x 1550 mm SS: OD133 x ID125 x 1600 mm	Sprayed
1400RT003	Si (99.999%)	OD152 x ID135 x 1550mm SS: OD133 x ID125 x 1600 mm	Bonded, Mono-Si
1400RT004	Si (99.999%)	OD152 x ID135 x 1550mm SS: OD133 x ID125 x 1600 mm	Bonded, Poly-Si
1400RT3NDZ	Si (99.9%)	Customized	Sprayed
1400RT3N5DZ	Si (99.95%)	Customized	Sprayed
1400RT5NDZ	Si (99.999%)	Customized	Bonded, Mono/Poly-Si

2. Chemical compositions

	Metal impurities (ppm)					
Element Typical Value Purity	Fe	Ca	Al	B		
99.9%	≤ 150	≤ 50	≤ 150	≤ 250		
99.95%	≤ 80	≤ 30	≤ 50	≤ 100		
	Metal impurities (ppm)					
	Fe	Al	Cu	Mn	Ca	Zn
99.999%	≤ 1.5	≤ 1.0	≤ 1.0	≤ 0.50	≤ 1.0	≤ 1.0

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.

Customizable packaging is available upon request.

4. Period of Validity

It is recommended to use this product within 12 months (stored under proper conditions). If it is overdue, the product quality status should be re-evaluated.

5. Handling and Storage

Handle and install in a clean, dry environment to prevent contamination, mechanical damage, and uneven sputtering.

Store in a sealed, clean, and dry package at room temperature, protected from moisture, dust, and direct contact with other materials.

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