

Technical Data Sheet

Silicon Dioxide Sputtering Target

Product ID: 140801ST001 - 140801ST010

Formula: SiO₂

Molecular weight: 60.08 g/mol

CAS No.: 14808-60-7

EINECS No.: 215-684-8

Color: Colorless to transparent

Description: It offers high purity, excellent optical transparency, strong chemical stability, and uniform sputtering performance.

Application: Optical coatings, semiconductor, display, and electronic applications.

Product

Image:



1. Sizes

Product ID	Formula	Size
140801ST001	SiO ₂ (99.99%)	Ø 50.8mm x 3.175mm
140801ST002	SiO ₂ (99.995%)	Ø 50.8mm x 3.175mm
140801ST003	SiO ₂ (99.99%)	Ø 76.2mm x 3.175mm
140801ST004	SiO ₂ (99.99%)	Ø 76.2mm x 6.35mm
140801ST005	SiO ₂ (99.995%)	Ø 76.2mm x 6.35mm
140801ST006	SiO ₂ (99.99%)	Ø 101.6mm x 3.175mm
140801ST007	SiO ₂ (99.995%)	Ø 101.6mm x 3.175mm
140801ST008	SiO ₂ (99.995%)	Ø 110mm x 14mm
140801ST009	SiO ₂ (99.99%)	Ø 304.8mm x 6.35mm
140801ST010	SiO ₂ (99.99%)	280mm x 200mm x 6mm
140801ST4NDZ	SiO ₂ (99.99%)	Customized
140801ST4N5DZ	SiO ₂ (99.995%)	Customized

2. Chemical compositions

Element Typical Value Purity	Metal impurities (ppm)						
	Al	Ca	Fe	Li	Na	Mn	Ti
99.99%	≤ 45	≤ 5	≤ 5	≤ 10	≤ 15	≤ 5	≤ 10
99.995%	≤ 25	≤ 3	≤ 1	≤ 5	≤ 8	≤ 1	≤ 5

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 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.

5. Handling and Storage

Handle carefully with clean gloves and avoid contamination, impact, or excessive mechanical stress during installation and use.

Store in a clean, dry, and sealed environment away from moisture, dust, and corrosive substances.

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