

Technical Data Sheet

Calcium Fluoride Sputtering Target

Product ID: 200900ST001 - 200900ST007

Formula: CaF₂

Molecular weight: 78.07 g/mol

CAS No.: 7789-75-5

EINECS No.: 232-188-7

Color: White

Description: Our calcium fluoride targets have a purity of 99.5% and can be customized in various sizes. They offer excellent chemical stability and high-purity coating performance.

Application: Optical coating, laser systems, UV imaging, and semiconductor applications.

Product

Image:



1. Sizes

Product ID	Formula	Size
200900ST001	CaF ₂ (99.5%)	Ø 25.4mm x 3.175mm
200900ST002	CaF ₂ (99.5%)	Ø 50.8mm x 3.175mm
200900ST003	CaF ₂ (99.5%)	Ø 50.8mm x 6.35mm
200900ST004	CaF ₂ (99.5%)	Ø 76.2mm x 3.175mm
200900ST005	CaF ₂ (99.5%)	Ø 76.2mm x 6.35mm
200900ST006	CaF ₂ (99.5%)	Ø 101.6mm x 6.35mm
200900ST007	CaF ₂ (99.5%)	Ø 203.2mm x 3.175mm
200900STDZ	CaF ₂ (99.5%)	Customized

2. Chemical compositions

Element Typical Value Purity	Metal impurities (ppm)					
	Fe	Cu	Ni	Mn	Si	Al
99.5%	≤ 1000	≤ 200	≤ 300	≤ 200	≤ 500	≤ 300

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

When using, wear protective gloves and safety goggles to avoid inhalation of dust or skin contact.

Stored in a dry, sealed, and contamination-free environment to prevent moisture absorption and surface degradation.

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