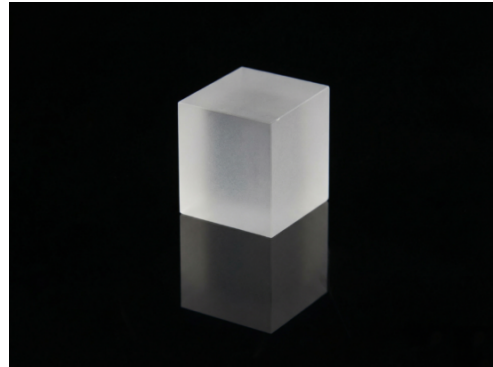


SCINTILLATION CRYSTALS

YSO(Ce) Scintillation Crystal

Product Brochure & Technical Reference

Cerium-doped yttrium orthosilicate scintillation components. Specify the crystal or screen geometry, surface finish, optical path and photosensor matching requirements.



Reference product image. Shown geometry is illustrative.

Material reference properties / options

Property	Published value
Density (g/cm ³)	4.45
Decay Constant (ns)	50-70
Wavelength of Emission Max (nm)	420
Relative Light Output of NaI(Tl)	70%
Melting Point (K)	2000
Refractive Index of Emission Max	1.8
Hygroscopicity	none
Cleavage	none

Reference values and options for selection. Confirm the material grade, geometry, test conditions and acceptance criteria for the quoted configuration.

SCINTILLATION CRYSTALS

Configuration & quotation

Define the component around your application

Application examples: Gamma-ray detection; Medical imaging research; High-energy physics detector development

YSO(Ce) Scintillation Crystal Specifications

Parameter	Typical Value / Option
Chemical formula	Y ₂ SiO ₅ :Ce
Material type	Cerium-doped yttrium orthosilicate
Hygroscopicity	Non-hygroscopic
Intrinsic background	No Lu-176 background
Format	Custom polished scintillation crystals

Prepare your quotation

RFQ input	Information to provide
Material / format	State the material or grade, crystal, screen, panel or bar format and intended application.
Geometry / finish	Provide a drawing, dimensions, tolerances, surface treatment and wrapping or support requirements.
Readout / acceptance	Give the optical readout arrangement and define the test conditions and acceptance criteria.
Order details	Provide quantity, destination and the required delivery schedule.

Reference values and options for selection. Confirm the material grade, geometry, test conditions and acceptance criteria for the quoted configuration.

Send drawings for engineering review

sales@atrscintillator.com | +86 17796747312

Open product and inquiry page | Hangzhou, Zhejiang, China