



Crystals Land

*** Welcome To BaF₂ Crystal ***

Barium Fluoride(BaF₂)

Single crystals of Barium Fluoride(BaF₂) is a good optical crystals. Its transmission range is from the into the Infrared. It is also a excellent scintillation materials.

Properties:

Density	4.89 g/cm ³
Refractive index at maximum emission wavelength	1.51(265 nm), 1.39(1396 nm)
Transmission Range:	0.13 μm - 15 μm
Radiation length	21 cm
Emission length	225 nm (fast) 310 nm (slow)
Decay time	0.6 ns (fast) 620 ns (slow)
Linear attenuation coefficient for 511 kev γ-ray	0.47 cm ⁻¹
Light yield (photon/ Mev)	2 x 10 ³ (fast) 6.5 x 10 ³ (slow)
Energy resolution for 511 Kev	13%
Time resolution for ⁶⁰ Co	300 ps

Specification:

Various sizes of crystals are available according to requests.

Contact us for  information

