

# GFAG

(Gadolinium fine aluminum gallate)

Fast timing properties &  
High light output &  
High energy resolution  
Scintillator

GFAG

## Product Information

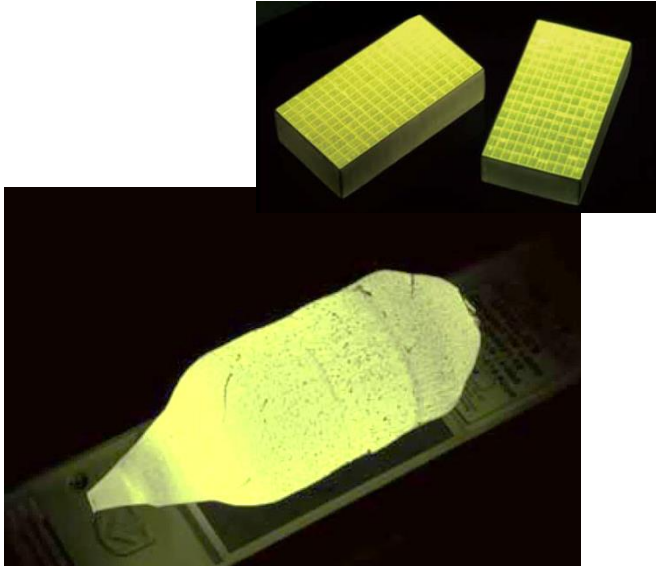


Fig.1: Photograph of GFAG scintillator.

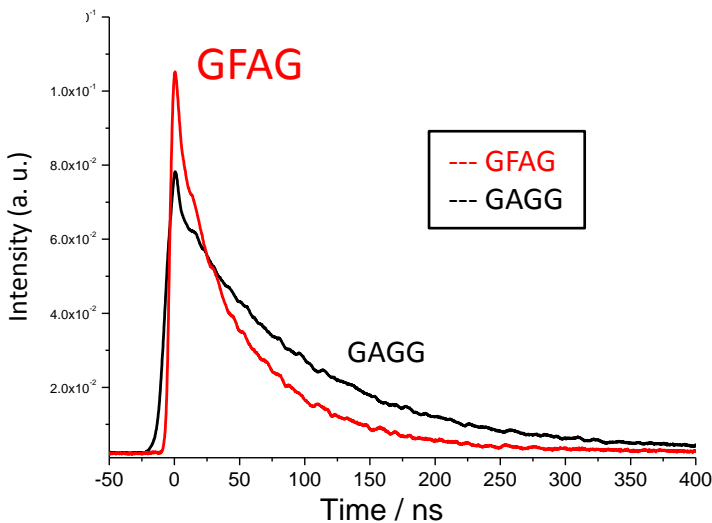


Fig.2: Scintillation decay curves of GFAG and GAGG irradiated with gamma rays from a  $^{137}\text{Cs}$  source.

## Outline

GFAG scintillator has significantly faster decay time and timing resolution than that of GAGG.

GFAG has also high energy resolution, high light output, and high density. Moreover, GFAG has no hygroscopic and self radiation nature.

2-inch-diameter GFAG bulk single crystal is available now.

## Scintillation Properties

Light output [photons/MeV]	40,000-50,000
Energy resolution (662 keV, FWHM) [%]	5
Decay time [ns]	40-50
Emission wavelength [nm]	520
Density [g/cm <sup>3</sup> ]	6.7

Crystals for your future



C&A Corporation

Single Crystal Growth Service  
Consulting of crystalline business  
Scintillator crystals, arrays and scintillation detectors  
Piezoelectric crystals and piezoelectric devices

공식 한국 대리점

(주)피에스케이테크놀로지

PSK Technology Inc.

# 823, Life Combi BLDG., 32, 63ro, Yeongdeungpo-Gu, Seoul, 07345, Korea  
Tel : 82-70-8838-0728 Fax : 82-2-6944-9008 Email : kangtaeuk@gmail.com



(주)피에스케이테크놀로지  
PSK TECHNOLOGY INC.