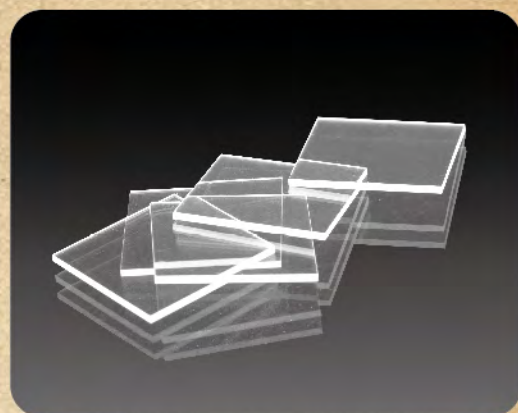
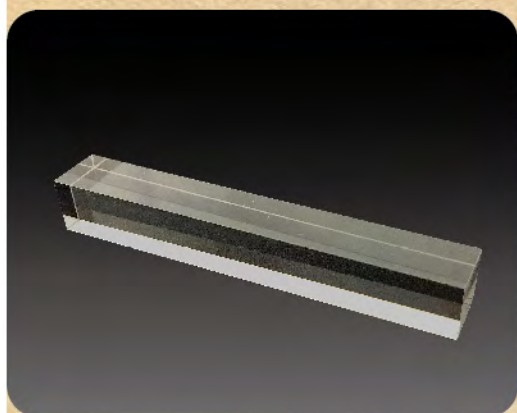




**Efficient, Professional,
Intelligent, Customer-Oriented**

上海烁杰晶体材料有限公司

YAP(CE) SCINTILLATOR



YAP(Ce) Scintillator

Cerium doped Yttrium Aluminum Perovskite (YAP:Ce) has fast decay time(25 ns) and relatively high light yield(40% of NaI:TI), the emission peak is on 360-380 nm, can be effectively coupled with most of current read out systems.

BASIC INFORMATION

Growth method: Czochralski
Cerium content: 0.2-0.4at%
Dimensions(maximum): ϕ 50 mm x 200 mm length
Available items: Single crystal

GENERAL PROPERTIES

Density(g.cm ⁻³).....	5.40
Decay time(ns).....	28
Light output(Photons/Mev).....	15,000
Melting point(K).....	2148
Wavelength of emission peak(nm).....	370
Hardness(Mho).....	8.50
Refractive index.....	1.95
Hygroscopic.....	no
Cleavage.....	no

FEATURES

High temperature resistance、 Stable mechanical and thermal properties、 Fast decay time

APPLICATIONS

MHZ-X-ray spectroscopy、 Synchrotron physics、 SEM

上海烁杰晶体材料有限公司

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