

Plastic Scintillator (Polystyrene)

Plastic scintillator is a special scintillation material, the main feature are its fast time response, low cost and large area possibility, it is very sensitive for α , β -rays and other particles with lower energy range.

The regular dimensions at 50x500x1000 mm, 50x500x1200 mm, 50x700x1400 mm, ϕ 50x2000 mm length, the aluminum foil was used as reflector, while the black vinyl for the light shielding sheet.

We could also coating the Zinc Sulfide (ZnS:Ag) on the surface of plastic scintillator.

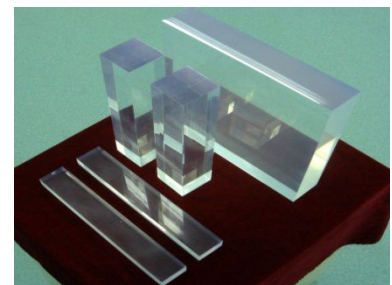
Softening temperature(K)	Density (g/cm ³)	Cleavage plane	hygroscopic	Wavelength of emission Max[nm]	Refractive index @ emission Max	Primary decay time [ns]	H/C ratio	Light output(Anthracene%)	Base material
348	1.05	No	No	415	1.58	2.4	1.1	50-60	Polystyrene

Features

Fast time response

Lower cost

Large area possibility



Application

Nuclear radiation detection

Truck inspection

Airport monitoring



문의처

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