



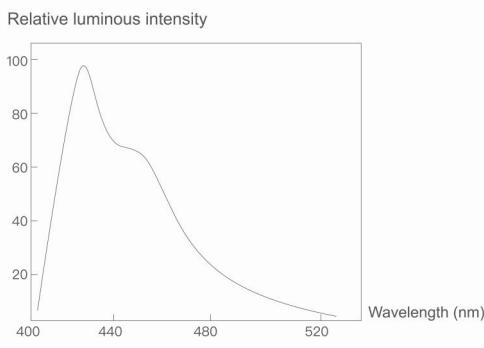
Plastic scintillator is mainly used to measure γ -rays. Very large volumes of products can be manufactured. Our products can be made into different geometric shapes, such as: plates, sheets, blocks, rods, columns, rings, etc. They can also be customized according to the user's size and provide different reflective materials and packaging.

General parameters	EPS100	EPS106	EPS220	EPS222	Unit
Density	1.05	1.05	1.19	1.05	g/cm ³
Wavelength of Emission Peak	423	423	-	423	nm
Light Output(Anthracene)	65	65	-	65	%
Decay Constant	2.4	2.4	-	2.4	ns
Attenuation Length	210	-	-	-	cm
Hygroscopic	no	no	no	no	/
Refractive Index	1.58	1.58	1.49	1.58	/
Soften Temperature	75-80	75-80	-	75-80	°C
Base Material	Polystyrene	Polystyrene	PMMA	Polystyrene	/
Density of ZnS:Ag	-	-	3.5-5	3.5-5	mg/cm ²
Application	α, γ and μ	β	α	α and β	/

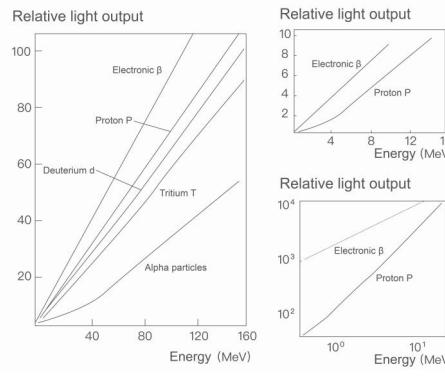
Basic Information

- Growth method Polymeric
- Base material Polystyrene
- Regular volume 25L, 30L, 50L or customized
- Achieved items Blocks, cylinders, plates and ZnS(Ag) coating

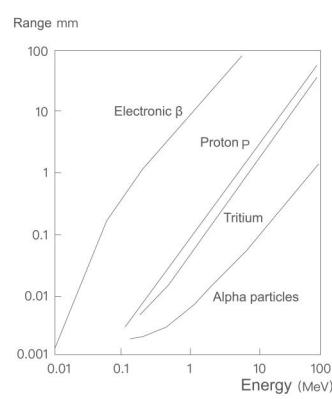
Characterization



● Figure 1. Emission spectrum of plastic scintillator



● Figure 2. Energy response of plastic scintillator to several charged particles



● Figure 3. The range of several charged particles in plastic scintillators