



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.

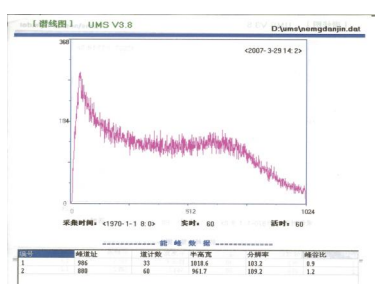
General parameters	EPS100	EPS106	EPS220	EPS222(EPS106+ZnS:Ag)		Unit
Density	1.05	1.05	-	1.05	-	g/cm ³
Wavelength of Emission Peak	415	423	450	423	450	nm
Light Output(Anthracene)	50-60	50-60	300	50-60	300	%
Decay Constant	2.4	2.4	200	2.4	200	ns
Rise Time	1	1	-	1	-	ns
Attenuation Length	380	250	-	250	-	cm
H/C ratio	1.1	1.1	-	1.1	-	/
Hygroscopic	no	no	no	no	no	/
Refractive Index	1.58	1.58	-	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

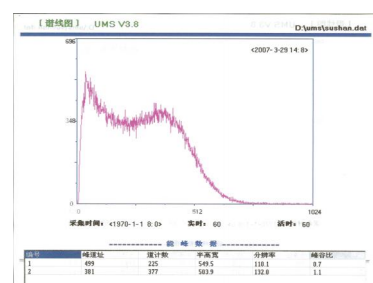
- Growth method Polymeric
- Base material Polystyrene
- Regular volume 25L, 30L, 50L or customized
- Achieved items Blocks, cylinders, plates and ZnS(Ag) coating

Characterization

- Light output: 50-60% (Anthracene)



The peak of the source on anthracene crystal is about 620 channels



The peak of the source on the plastic scintillator sample is about 380 channels