



## Plastic Scintillator



Density (g/cm <sup>3</sup> )	1.05
Decay time (ns)	2.8
Peak Emission (nm)	423
Index of Refraction	1.58
Working temperature (°C)	-40~55
Softening temperature (°C)	75~80
Light yield ( to NaI:Tl)	20~30%

Plastic scintillator is widely used to detect X-rays, gamma rays, fast neutrons and charged particles, it has advantages of high transparency, light transmission, short decay time, stable performance, high mechanical strength, resistance to vibration and impact resistance.

### Key Features

- High transparency
- Short decay time
- High mechanical strength

### Applications:

- Isotope gauge Fission Neutron detection
- Passageway type radioactive detection
- Area radiation monitor