

EJ-600 ZnS:Ag PHOSPHOR POWDER

Silver activated zinc-sulfide, ZnS:Ag, is a free-flowing white fluorescent powder having exceedingly high scintillation efficiency. It is primarily used for alpha particle detection. The most common detector format is a thin flat plate of inert glass or plastic to which the ZnS:Ag is affixed in a thin uniform layer on one side. Such scintillating screens provide very high intrinsic detection efficiency for alpha particles while, at the same time, have very low sensitivity for beta particles and gamma rays.

Phosphor Type:P22 Blue

Density:.....4.09 g/cc

Refractive Index (Sodium-d line): 2.356

Melting Point:.....1850°C

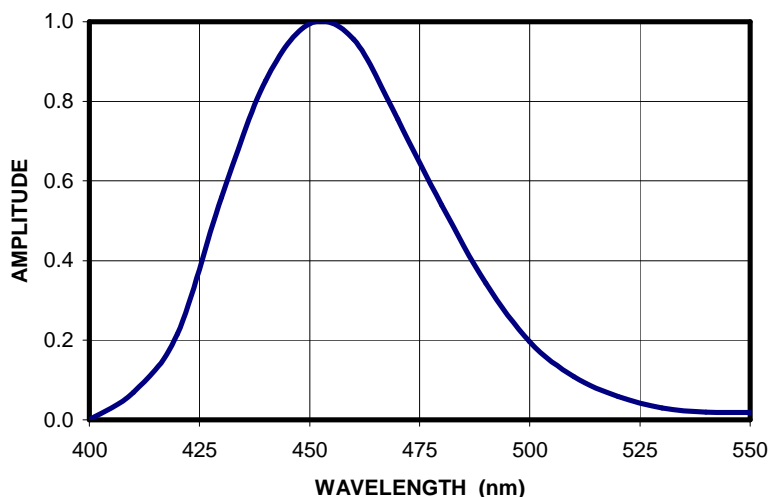
Light Output (%of Anthracene):..... 300%

Decay Time, Main component:200nsec

Wavelength of Max Emission:..... 450nm

Typical Particle size:..... 8 microns

ZnS:Ag FLUORESCENCE SPECTRUM



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