

ZnS:Ag PHOSPHOR POWDER

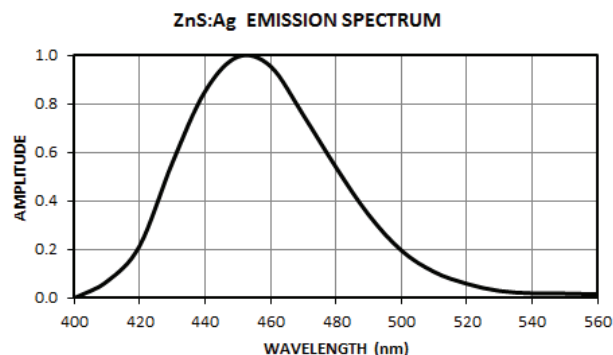
EJ-600

Silver activated zinc-sulfide, ZnS:Ag, is a free-flowing white fluorescent powder with an 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 having very low sensitivity for beta particles and gamma rays.



PROPERTIES	EJ-600
Phosphor Type	Blue
Light Output (% Anthracene)	300
Wavelength of Maximum Emission (nm)	450
Decay Time (ns)	200
Density (g/cm ³)	4.09
Refractive Index	2.356
Melting Point (°C)	1850
Typical Particle Size (μm, nominal)	8

STANDARD QUANTITIES
5 g
10 g
25 g
50 g
100 g
200 g
500 g



Revision Date: May 2018



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