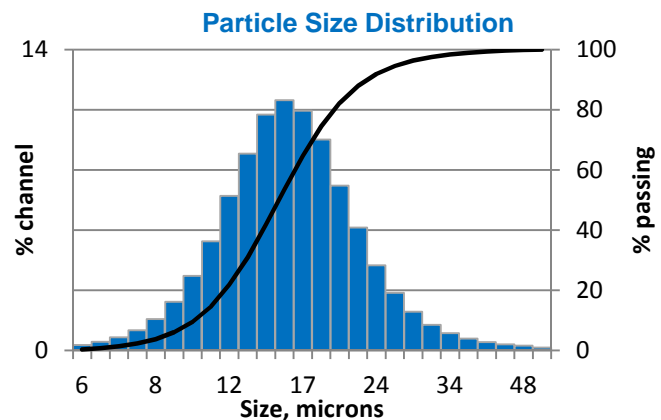
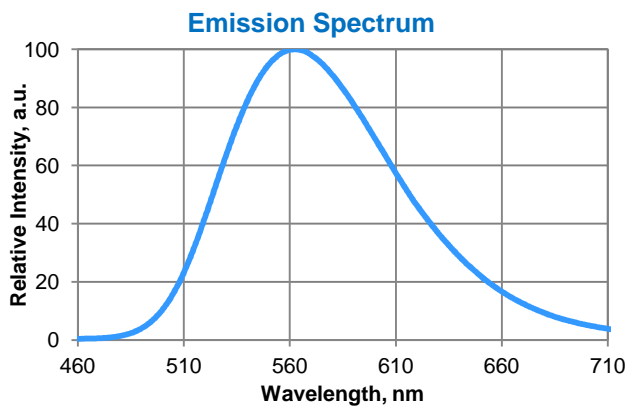


DATASHEET

Y4453-02-A16

Product Description and Application:

- Y4453-02-16 silicate phosphor is designed to improve ease of use in white LED packaging. The low cohesion results in a uniform dispersion in liquid encapsulants, reducing LED CIE distribution.
- Y4453-02-16 can be used in combination with other silicate products for color tuning and to achieve a broader emission spectrum. It can be excited by a wide range of wavelengths from blue to near UV enabling use of high efficiency LED chips (440nm to 450nm).
- White LEDs made with Y4453-02-16 can be used for low and medium power applications for display backlighting, general and task lighting, camera flash, signage, decoration, and automotive applications.



Material Specifications:



Materials	<i>Eu doped Silicates</i>
Density	<i>4.7 g/cm³</i>
Particle Size	<i>D50V ~ 16µm</i>
CIE (1931)	<i>x=0.442, y=0.533</i>
Emission Peak	<i>565nm</i>
Excitation Range	<i>200 m to 490nm</i>

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