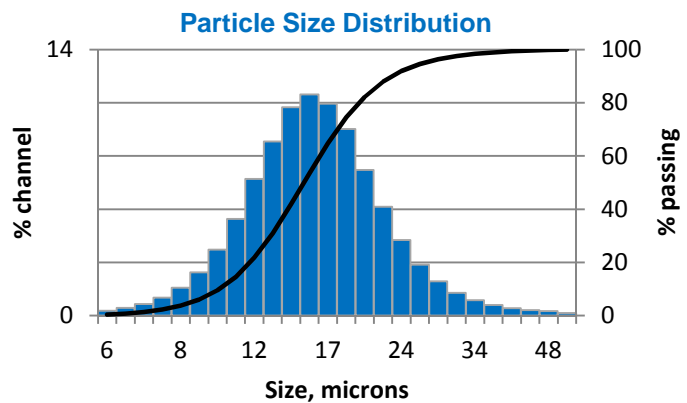
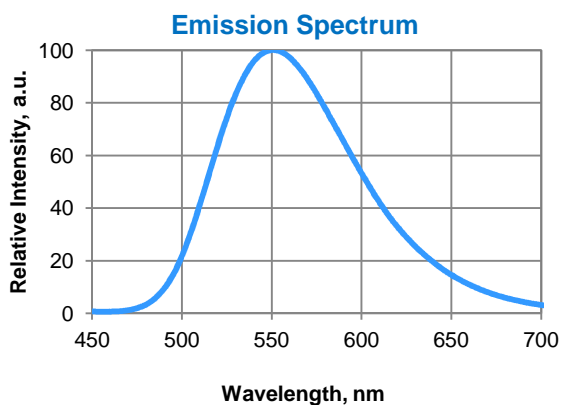


DATASHEET

Y4156-02-16

Product Description and Application:

- Y4156-02-16 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.
- Y4156-02-16 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 Y4156-02-16 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=0.402, y=0.563</i>
Emission Peak	<i>550nm</i>
Excitation Range	<i>200nm to 490nm</i>

INTEMATIX

46430 Fremont Boulevard • Fremont, CA 94538
Tel: +1 (510) 933-3300 • Fax: +1 (510) 668-0793

sales@intematix.com
www.intematix.com