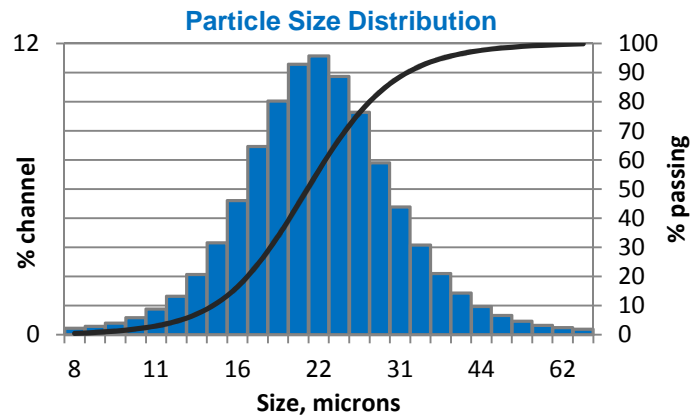
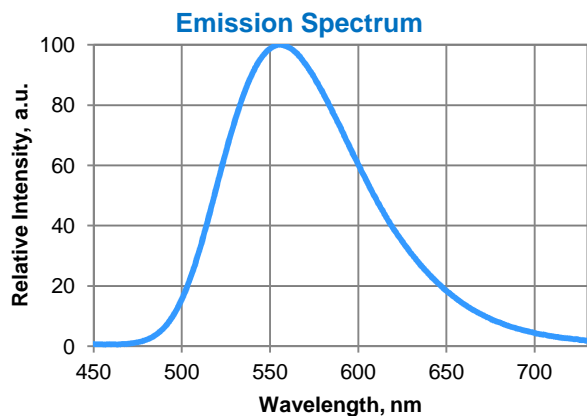


# DATASHEET

## Y4254-03-20

### Product Description and Application:

- Y4254-03-20 is a next generation, large particle silicate phosphor designed to maximize brightness in white LED packaging.
- It can be used in combination with other phosphors for color tuning and to achieve a broader emission spectrum. Y4254-03 can be excited by a wide range of wavelengths from blue to near UV enabling use of high efficiency LED chips (440nm to 450nm).
- Y4254-03-20 can be used for low to mid-power, high brightness, white LEDs in mobile display backlighting, general and task lighting, camera flash, signage, decoration, and automotive applications.



### Material Specifications:



Materials	<i>Eu doped Silicates</i>
Density	$4.7 \text{ g/cm}^3$
Particle Size	$D50V \sim 20\mu\text{m}$
CIE (1931)	$x=0.424, y=0.547$
Emission Peak	$558\text{nm}$
Excitation Range	$200\text{nm to }490\text{nm}$

## INTEMATIX

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

[sales@intematix.com](mailto:sales@intematix.com)  
[www.intematix.com](http://www.intematix.com)