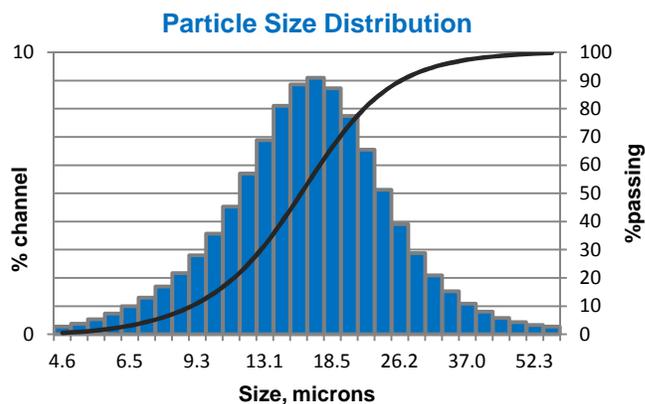
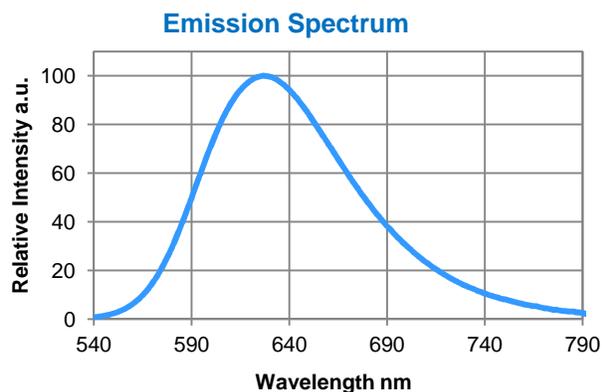


## XR6436-01-15

### Product Description and Application:

- XR6436 red nitride phosphor is designed for high power LEDs with high junction temperatures and high luminous flux, such as 1-10W packages or high power arrays.
- XR6436 phosphor can withstand high power conditions while maintaining the consistent brightness and color required for products with long lifetimes such as lighting or large area displays.
- While the performance is uniquely robust, XR6436 phosphor is perfectly compatible in blends with Intematix yellow and green phosphors to produce high CRI white light.

**Intematix phosphor compositions are protected by numerous US and world wide patents.**



### Material Specifications:



<b>Product Family</b>	Nitride
<b>Density</b>	3.1 g/cm <sup>3</sup>
<b>Particle Size</b>	D50V ~ 15µm
<b>CIE (1931)</b>	x=0.642, y=0.358
<b>Emission</b>	628nm
<b>Excitation Range</b>	200nm to 610nm

\*This data is sample data from an Engineering Sample and is for reference only. For more information, contact Intematix.

## INTEMATIX

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

Sales@intematix.com  
 www.intematix.com