



Phosphor Information Leaflet

GENERAL

Name	Sodium strontium phosphate cerium manganese
Chemical formula	$\text{NaSrPO}_4:\text{Ce}^{3+},\text{Mn}^{2+}$
Application areas	

OPTICAL PROPERTIES

Excitation maxima @ 594 nm	296 nm (4.19 eV)
Emission maximum @ 290 nm exc.	359 nm (3.45 eV), 599 nm (2.07 eV)
Centroid wavelength	441 nm (2.81 eV)
Full width @ half emission maximum	42 nm
Lumen equivalent	46 lm/W
CIE1931 chromaticity coordinates (x, y)	0.443; 0.288
Band edge of host lattice	-
Reflection @ 290 nm	17 %

PHYSICAL PROPERTIES

Body colour	white
Density	3.60 g/cm ³
Refractive index (at λ)	
Mineral type	
Crystal system	monoclinic
Space group (#)	Pnma (62)

