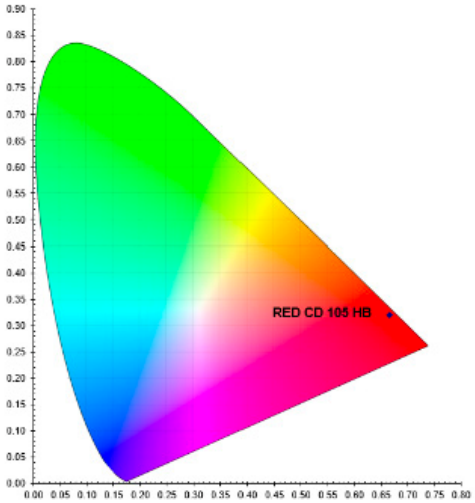
LUMILUX®



52160 RED CD 105 HB

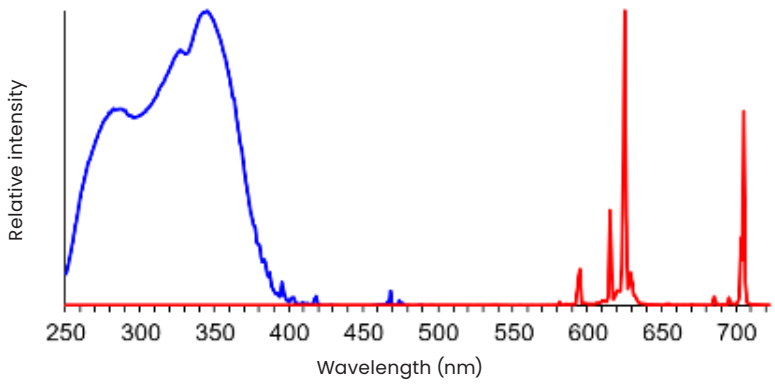
Product Group: Inorganic luminescent pigment for security coding

Primary Use: Fluorescent inks for offset and gravure printing

TYPICAL CHEMICAL PROPERTIES	
Composition	Y_2O_2S:Eu
Insoluble in	Water, alkalis, organic solvents
Decomposition by means of	Strong acids

TYPICAL PHYSICAL PROPERTIES	
Appearance	White powder
Specific gravity	4.9 g/cm³
Resistance to discoloration	Aprox. 6 IBWS (depending on the matrix)
Particle size distribution (COULTER Lasersizer 230)	D_{50} = max. 4µm D_{95} = max. 9µm

TYPICAL LUMINESCENT PROPERTIES	
Excitation	Ultraviolet radiation
Fluorescence color	Reddish-orange
CIE chromaticity coordinates	x = 0.67 ±0.03 y = 0.32 ±0.03



Typical excitation (left) and fluorescence (right) spectra

For More Information Visit
solstice.com

Solstice Advanced Materials Inc.
115 Tabor Rd. | Morris Plains, NJ 07950

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