

SINLOIHI COLOR

FA-000 Series

SINLOIHI COLOR FA-000 Series is the color conversion fluorescence pigment designed for inorganic fluorescent substances which are the matrix of EL-Lamp, Blue-Green and Green emission of light to change into White or an arbitrary color.

- Color data of FA-000
(by Hitachi spectrum photometer 307:Xenon light source)

Color	Color coordinates	Y Value	Main wavestrength	Reflectance
FA-001 Red Orange	X=0.4936 y=0.3363	66.89%	590nm	174.20%
FA-005 Lemon Yellow	X=0.4936 y=0.3363	105.61%	525nm	155.62%
FA-006 Orange Yellow	X=0.4936 y=0.3363	80.06%	580nm	181.10%
FA-007 Cerise	X=0.4936 y=0.3363	56.32%	600nm	168.84%

- Properties

Specific gravity(genuine)	1.3
Average particle size	3.5~5.0 μ m
Softening point	140~170 $^{\circ}$ C



- Remarks:

As an organic fluorescent pigment has high purity and strong transparency, that does not disturb the reduction of EL-Lamp to emit white color, it is therefore advisable to use pink and red-orange pigment as complementary colors.

We provide lemon-yellow and orange-yellow color pigment for conversion to the other EL-Lamp colors.

The ratio of inorganic fluorescent substance and organic fluorescent pigment is 100phr to about 3~7 phr. They are mixed up together and added to EL-binder. When you find a moderate ratio, you can obtain a white emission EL-Lamps.

Since organic fluorescent pigment does not have stable solvent resistance, we recommend to make fluorescent ink with EL-binder only. We cannot recommend to use them outdoor due to lightfastness is not so good.