SINLOIHI COLOR

FA-000 Series

Emission colors converting organic fluorescent pigment for Dispersed EL-Lamp
A part of fluorescent pigment for EL-Lamp

Blue-green and green are the two colors emitted from an EL inorganic fluorescent substance composed of ZnS crystal matrix. As an organic fluorescent pigment has high purity and strong transparency, that does not disturb the reduction of EL-Lamp to emit a white color, you can use pink and red-orange pigment as complementary colors.
In addition, we provide lemon-yellow and orange-yellow pigments for conversion to other EL-Lamp colors

Color data of FA-000 (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%

Specifications

Average particle size	3.5 ～ 5.0μm
Softening point	140 ～ 170℃
Specific gravity(genuine)	1.3

Available Colors

FA-001 Red Orange | FA-005 Lemon Yellow | FA-006 Orange Yellow | FA-007 Cerise

• Usage of organic fluorescent pigment

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

• Notes

As organic fluorescent pigment does not have good solvent resistance, we recommend making fluorescent ink with EL-binder only, because the ink of storage stability is not so good.
Light fastness is not so good. We can’ t recommend using it outdoors.

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