



Technical Data Sheet

Invisible Fluorescent series

Product name: Invisible Fluorescent Dye #112 Green

Item number: STFD-LO-112

Introduction :

STFD-LO-112 is one of our black light products. The powder of **STFD-LO-112** will radiate green light when it irradiates by UV light, and change back to lightless after removing the UV light.

STFD-LO-112 can be used in many industries, such as Ink, Paint, Plastic... and so on. Basically, **STFD-LO-112** can be used as pigments.

Appearance :

STFD-LO-112 is white powder at normal situation, and becomes green powder under the radiation of UV light.

Storage :

STFD-LO-112 should be kept in a dry place under room temperature and do not expose to sunlight.

Toxicity& Safety :

STFD-LO-112 has passed the test. EN-71

Specifications :

PL emitting peak (major) : 493nm

※ excitation wave length : 365nm

Melt pointing : 293°C ~ 295°C

Solubility :

Micro soluble: Methanol, IPA and Ethanol, Acetone, MEK, Toluene

Insoluble: Water

Application in Ink & Paint :

- **STFD-LO-112** can be radiate green light when it irradiates by UV light
- **STFD-LO-112** can apply in oil water type resin.
- Proper PH value of selected substrate for **STFD-LO-112** is 7-9.
- Suggested usage of **STFD-LO-112** is 2%~8% (w/w).
- **STFD-LO-112** is suitable for screen, gravure, flex graphic printing ink.
- Suggested printing backgrounds are white or light color series.
- Choose proper resins or bases when use **STFD-LO-112** on different substrates.

Application in Injection & Extrusion :

- **STFD-LO-112** is suitable for many resins, such as PP、PE、PVC、PU、PS、ABS、TPR、EVA、Nylon、PMMA.
- Suggested usage of **STFD-LO-112** is 0.01% ~ 0.05% (w/w).
- Use master batch if necessary.
- Avoid using **STFD-LO-112** above 350°C.