

# HP Filament<sup>®</sup> (UV reactive type)

Special filament reacts with ultraviolet light.



It is a filament that emits light when irradiated with ultraviolet light. (Black light etc.)

HP filament (UV reactive type) is a filament for FDM 3D printer and it emits light under ultraviolet light (black light etc.).

The printed model emits light under UV light because its internal special material reacts to the UV light. There are three possible colors "red" "blue" "green".

Because the light emitting material is a complex structure of organic molecule and absorbs light energy efficiently, it emits strongly under UV light (380-400 nm).

It also emits light with excitation light of 380 to 400 nm.

Utilizing this characteristic, it is possible to add anti-counterfeit function and improve product design. Please do not hesitate to contact us.

※Since this product has no weather resistance, please refrain from using it outdoors.

## Features

### Luminescence



It efficiently absorbs light energy and emits strong light.

### Forgery prevention



You can add the function to check forgery by irradiating it under UV light.

### Design ability



Because it emits under UV light, it is possible to improve the design in the dark place.

### Visibility



You can check its existence in the dark place.

## Applications

Security goods, variety goods, outdoor gear, sports gear etc.

Since the quality requirements are different depending on the usage environment, detailed inquiries are required for adoption.

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