

# Optical brightener

## Specifications

### FP

Designed specifically for a series of PVC and polystyrene products, it can also be used to brighten other thermoplastics, as well as coatings, synthetic fibers with inks.

Dissolves in organic solvents with maximum absorbing and transmitted wavelengths of 368 nm and 410 nm.

It has high heat resistance and weather resistance. Although the product is designed to brighten a range of PVC and polystyrene products, it can also be used to brighten other thermoplastics, as well as coatings, inks, synthetic fibers, etc.

No	Properties	Value
1	Appearance	Straw powder
2	Chemical composition	Benzoxazole derivatives
3	Fluorescence intensity	100±3
4	Wavelength	368-410 nm
5	Max impurity content,%	>0,5%
6	Mass fraction of volatile substances,%	≤0.5%
7	Ash,max,%	0,63%
8	Density, g/cm <sup>3</sup>	1,01-1,3
9	Residue on sieve with mesh 200.%	>95%
10	Melting point, °C	219-221°C

#### APPLICATION:

ABS, PVC, Polystyrene, synthetic fibers, thermoplastics.

#### Recommended concentration

For ABS: 10-50 gr.  
For PVC: white - 10-50 g, transparent - 0.1-1 g.  
For Polystyrene: white - 1-50 g, transparent - 0.1-1 g