

Optical brightener

Specifications

OB

Gives shine and good whiteness. Suitable for use in all types of thermoplastics, plastics and masterbatches. Used in polyester fiber, water-based paint, printing ink.

Pale green powder, harmless, soluble in paraffin, fat, olefin and most organic solvents. Its spectrum can absorb a maximum wavelength of 375 nm with a maximum transmitted length of 435 nm (in ethanol).

OB is widely used in brightening thermoplastics in the form of PVC, PE, PP, PS, ABS, PMMA, POM and thermoset plastics, polyester fiber, paint, coating.

No	Properties	Value
1	Appearance	Yellow-green powder
2	Chemical composition	4,4-bis(2-benzoxazolyl)Stilbene
3	Fluorescence intensity	100 ± 3
4	Wavelength	375-435nm
5	Max impurity content,%	>5
6	Molecular weight	430г/моль
7	Mass fraction of volatile substances	≤0.5
8	Ash,max,%	≤0.5
9	Density, g/cm ³	1,35
10	Residue on sieve with mesh 200.%	≤0.5
11	Melting point, oC	198~203

APPLICATION:

Recommended concentration

PP, ABS, EVA, PS, PVC, PC, polyester and nylon fibers.
for PP, ABS, EVA, PS, PVC, PC
0.01~0.05%
for polyester and nylon fibers ~0.05%