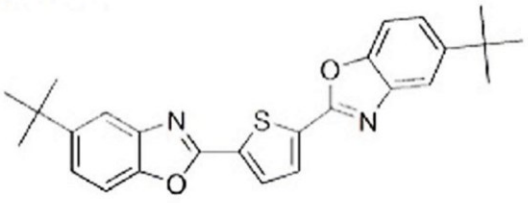
TPS

Product description

Optical brightener OB
Very bright greenish yellow powder



Technical properties

OB is a brightener used in thermoplastic polymers such as PVC, PS, PE, PP, ABS as well as coatings, printing inks, synthetic fibers, leather, wax, fats and similar products. Solubility in ordinary organic solvents, paraffin and mineral oil allows OB to be easily applicable in solvent based paint and ink formulations.

Application

A good whitening agent for Acetate fiber, various kinds of plasucs such as PVC, PS, PE, PP, ABS, paint and ink formulations.

Physical data

Molecular formula	$C_{26}H_{16}N_2O_2S$
Molecular weight	430
Cas no.	7128-64-5
Appearance	Slight greenish yellow powder
Purity	>99%
Melting point	201-205 °C
Solubility	Hardly soluble in water, soluble in paraffin, mineral oils and ordinary organic solvents.

Formulation tips:

- If OB is used in combination with a UV absorber, the absorption spectrum of the later must leave an open window in the near UVA for the optical brightener.
- Recommended dosage is 0.01-5% based on the application. For liquid formulations a relatively higher dosage must be applied.

آدرس: تهـران، خیابـان میـرزای شیرازی شـمالی
شماره ۲۴۲، واحـد ۱۹ کد پستی: ۱۵۹۶۹۶۵۳۴۴
تلفن: ۸۸۱۰۵۵۶۸-۰۲۱ نمابر: ۸۸۱۰۴۵۷۹-۰۲۱

TECHNICAL DATASHEET

- Since optical brighteners act by absorbing UV light and re-emitting in the blue region, the presence of any UV-absorbers in the formulation might increase the required amount of this additive.
- For plastics that have a whitening agent such as TiO_2 in the formulation, the level of OB will be higher.

Solubility:

Solubility	(g/100 g solution) at 20° C:
Acetone	0.5
Chloroform	14
Dimethylformamide	0.8
Dioxane	2
n-Hexane	0.2
Methanol	<0.1
Methylethylketone	1.3
Tricresylphosphate	0.8
Xylene	5

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