

# DIAMOND ADDITIVE

## Plastic Additives Supplier

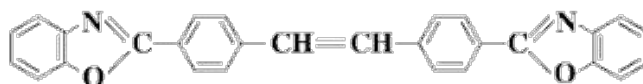
### PRODUCT DATA SHEET

Product name: Optical brightener OB-1

Chemical name: 4,4' -Bis(2-benzoxazolyl) stilbene Product

Product characteristics:

- . Appearance: yellowish green powder
- . Molecular formula:  $C_{28}H_{18}N_2O_2$
- . Structural formula:



- . Molecular Weight: 414.4

ITEM	STANDARD		
Appearance	Yellow to greenish yellow powder		
Particle size	≥250 mesh (calculated with d (0.9))		
Fluorescent Intend ( $E^{1\%}_{1cm}$ )	≥2050		
Content	≥99.00%		
Melting point	353~359°C		
Volatile content	≤0.3%		
Ash content	≤0.5%		
Contamination control	≤5'		
Packing	Application	Transport regulations	Storage and handling
20kg drum, polyethylene inner bag.	As plastic whitening agent	No dangerous good in the sense of transport regulations	Storage cool and dry, Protect from sun, see MSDS

. Applications: OB-1 is recommended to increase the whiteness of polymers as well as high temperature engineering plastics, including polycarbonates, polyesters, and polyamides (nylon).

. Advantages: Brilliant, neutral white cast that compensates for yellowing

- Low volatility and excellent heat resistant make the product ideal for use in fibers and in engineering plastics processed at high temperatures
- In combination with dyes, produces particularly bright shades
- Good light fastness