



TECHNICAL DATA SHEET

Optical Brightener OB-1

Formula	C ₂₈ H ₁₈ N ₂ O ₂
C.I.	393
CAS No.	1533-45-5
Chemical Name	2,2'-(1,2-ethenediy1)bis(4,1-phenylene)bi sbenzoxazole
Appearance	Bright yellowish green crystal powder
Melting Point	357-361 °C
Content	99%
Volatile Content	≅ 0.5%
Molecular Weight	414.4
Max UV Absorption Wavelength	374 nm(ethanol)
Max Optical Emitting Wavelength	434 nm

PROPERTY Optical Brightener OB-1 is an excellent diphenylethylene bisbenzoxazole type compound. It is dissoluble in water and has stable capability. And it also has good resistance to heat, sunlight, chlorine bleaching and migration. It has an ideal whitening effect on polyester fibers as well as polyester fiber-containing fabrics including polyester-cotton blend fabric. It can be used to whiten various kinds of plastics such as ABS,PS,HIPS,PA,PC,PP,EVA and rigid PVC. With addition of optical agent OB-1,polyamide fiber,nylon and polyester have significantly good whiteness. Mixed with this product, recycling polyester waste material, bottle material and slice flake will have a higher whiteness than before.

APPLICATION Thoroughly dispersed in all those polymers. If any ultra violet spectrum absorption agent is used in the polymers, the optimal dosage of optical brightener OB should be adjusted.

PROCEDUR

For transparent product: 0.0025-0.005%

Opaque product: ≤0.01-0.03%

PACKAGE Fiber drum, carton box or plastic bag. 10kg, 20kg, 25kg per drum.

STORAGE Should be stored in cool,dry and ventilate place, and storage time should not exceed 2 years