



## TECHNICAL DATA SHEET

**NAME OF COMMODITY:** 6H-DIBENZ[C,E][1,2]OXAPHOSPHORIN 6-OXIDE (DOPO)

**CAS NO.:** 35948-25-5

**MOLECULAR FORMULA:** C<sub>12</sub>H<sub>9</sub>PO<sub>2</sub>

**MOLECULAR WEIGHT:** 216

TESTS	SPECIFICATIONS
APPEARANCE	WHITE POWDER
DOPO CONTENT,%	99.5 MIN
OPP CONTENT,ppm	1000 MAX
MELTING POINT,°C	117-120
WATER ABSORPTION RATE,%	0.30 MAX
ACID VALUE,mgKOH/g	300 MAX
COLORITY OF MELT,APHA	100 MAX
PARTICLE SIZE (D50,um)	60
PARTICLE SIZE (D100,um)	264

### **PHYSICAL APPEARANCE:**

White powder,easily soluble in Methanol,Ethanol,Chloroform,etc;  
soluble in Benzene,Toluene,Methoxychlor,etc;insoluble in water.

### **USE:**

Can be used in liner polyester,polyamide,epoxy resin,widely used in plastic,  
circuit board for electronic equipment.

### **FEATURE:**

Excellent in heat stability,water resistance,oxidation resistance,it is a kind of  
reactive and additive flame retardant.

Performance is better than general phosphate ester in flame retarding due  
to containing P-C bond.

**PACKING:** NET 25KG or 500kg PER BAG.

**SHELF LIFE:** 12 MONTHS