

TECHNICAL DATA SHEET

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

CAS NO.: 35948-25-5

MOLECULAR FORMULA: C₁₂H₉PO₂

MOLECULAR WEIGHT: 216

TESTS	SPECIFICATIONS
APPEARANCE	WHITE POWDER
DOPO CONTENT,%	99.5 MIN
OPP CONTENT,ppm	1000 MAX
MELTING POINT,℃	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