

## ■ POLYMER ADDITIVES

### JADEWIN DOPO

#### CHEMICAL COMPONENT

COMPONENT 9,10-dihydro-9-oxa-10-phosphaphenanthrene-10-oxide

#### SPECIFICATION AND PHYSICAL PROPERTIES

TEST	UNIT	SPECIFICATION
APPEARANCE		WHITE FLAKES/GRANULES
MELTING POINT	°C	117-121
CHLORINE CONTENT	PPM	200MAX
LOSS ON DRYING MASS FRACTION	%	0.5MAX
PHOSPHORUS CONTENT	%	14MIN

#### FEATURE AND APPLICATION

\***JADEWIN DOPO** is a cyclic phosphoric acid ester of Phosphorus-Phenanthrene class, which is an organophosphorus heterocyclic compound with high thermal stability, oxidation resistance, and excellent water resistance, and is a reactive and additive flame retardant.

\***JADEWIN DOPO** is used as a reactive flame retardant for epoxy resins. DOPO reacts with hydroquinone after reacting with epichlorohydrin, and is used as a sealing material for electrical insulating and semiconductor materials to ensure the insulation of electrical appliances and low volatility and pollution; DOPO has good compatibility with ABS and other resins, and is added to form a flame-retardant transparent plastic.

\***JADEWIN DOPO** is a coloring preventive agent, which can prevent coloring of ABS, AS, PP, PS, epoxy resins, phenolic resins, alkyd resins, surfactants, etc., which are caused by heat, and polyurethane, which is caused by light and heat, by adding DOPO.

\***JADEWIN DOPO** is used to produce a series of DOPO derivative flame retardants. It is used for flame retardant treatment of polymer materials such as PET, nylon, epoxy resin, urethane, and unsaturated polyester resin.

\***JADEWIN DOPO** is mainly used in the fields of polyester fiber, polyurethane foam, thermosetting resin and adhesive.

Product properties.

- Good thermal stability, high thermal decomposition temperature;
- Melting point 180-190°C;
- Low dosage, good dispersion, good flame retardant effect, excellent material;



QINGDAO JADE NEW MATERIAL  
TECHNOLOGY CO.,LTD  
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- Good coloring resistance;
- Halogen-free and environmentally friendly, in line with the ROHS directive of the European Union.

## PACKING

25KG PAPER-PLASTIC COMPOSITE BAG

## STORAGE

Keep container tightly closed and dry and storage in cool place