

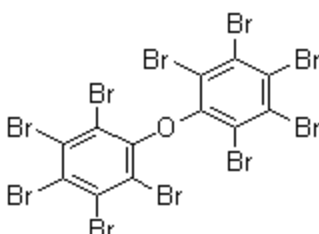
**Chemical Name :** Decabromodiphenyl Oxide

**Synonyms:** DBDPO; Decabromodiphenyl ether; Pentabromophenyl ether; Bis(pentabromophenyl) ether;

**CAS NO. :** 1163-19-5

**Molecular formula:** C<sub>12</sub>Br<sub>10</sub>O

**Structure formula :**



### 1 Specifications

Item	General Quality	Super Quality
Appearance	White Powder	White Powder
Organic Bromine (%)	82-83	82-83
Whiteness Degree (ISO)	93Min	96Min
Free State Bromine (Mg/Kg)	20Max	10Max
Volatile Materials (%)	0.05Max	0.1Max
Aluminium Content (Mg/Kg)	15Max	20Max
Iron Content (Mg/Kg)	5Max	10Max
Melting Point (°C)	300Min	310Min
Average Particles (um)	6Max	3Max

### 2 Applications:

- 2.1 Thermoset plastics and thermoplastics;
- 2.2 Various rubber products;
- 2.3 Adhesives and coatings.
- 2.4 Especially used in polyethylene polypropylene, ABS resin, PBT resin and rubber fiber etc.

### 3 Narrate:

- 3.1 It is a kind of broad-spectrum, high efficiency fire retardant with the features of low additive quantity;
- 3.2 With high bromine content, It is flame retardant in a wide range of applications. It is used in elastomers, wire & cable, textile coatings, business machines and television cabinets formulations especially in polyolefins, styrenic, polyamide, HIPS, and polyester resins.

**4 Packing:** 25Kg PP Bags or Paper Bags.

### Loyal Gain International Enterprise Limited

Head Office: No.180, Wenhua Road, Weifang City, Shandong Province, P.R.China.

Tel: 86-536-8251229; Fax: 86-536-8255868; eMail: chem@loyalgain.cn