

## LGflex DOP

CAS No.	117 - 81 - 7
Chemical Name	1,2-Benzenedicarboxylic acid bis(2-ethylhexyl) ester
Trade names and Synonyms	Bis(2-ethylhexyl)phthalate
Molecular Weight	390.56

## Application

General Purpose  
 Calendering Sheet, Films, Hose, Glove, Floorings, Toy, Wall Coverings, Synthetic Leather

## Specification

Item	Unit	Spec.	Methods
➤ Color	APHA	Max. 20	ASTM D1209
➤ Specific Gravity	20/20°C	0.986±0.003	ASTM D1298
➤ Acid Value	KOH mg/g	Max. 0.02	JIS K 6751
➤ Acid Value after Heating	KOH mg/g	Max. 0.07	JIS K 6751
➤ Refractive Index	nD25	1.485±0.003	JIS K 6751
➤ Ester Contents	wt.%	Min 99.5	GC LG method
➤ Heat Loss	wt.%	Max. 0.07	JIS K 6751
➤ Volume Resistivity	Ω-cm 30°C	Min. 2.0 × 10 <sup>11</sup>	JIS K 6751

## Physical Properties

Item	Unit	Conditions	Physical Properties
➤ Molecular Weight	-	-	391
➤ Viscosity	cP	20°C	80
➤ Boiling Point	°C	@ 760mmHg	385
➤ Freezing Point	°C	-	-50
➤ Flash Point	°C	-	215

## Precautions

### Emergency overview

- Avoid contact with skin, eyes and clothing
- Avoid breathing vapor or mist
- Washing thoroughly after handling
- Use only with suitable ventilation
- Avoid contact with strong oxidizers, excessive heat, sparks or open flame

### Hazardous decomposition products

- May emit flammable vapour if involved in fire

### Fire and explosion hazard

- Slightly fire hazard when exposed to heat or flame and larger fires use water spray, fog or regular foam

### Stability and reactivity

- Stable under normal temperature and pressure.

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※ Data based on value from tests, They are not guaranteed.