


LGflex GL300

CAS No.	6422 - 86 - 2
Chemical Name	BIS(2-ETHYLHEXYL)-1,4-BENZENEDICARBOXYLATE,
Trade name and Synonyms	BIS(2-ETHYLHEXYL)-1,4-BENZENEDICARBOXYLATE, 1,4-BENZENEDICARBOXYLIC ACID BIS(2-ETHYLHEXYL)ESTER; DOTP; LGflex GL300
Molecular Weight	391


Application

General Purpose Non-Phthalate Plasticizer, Excellent Heat Stability, Stable Viscosity
Sheet, Flooring, Wallpaper, Artificial Leather, Glove, Automotive, Toy, Hose, Cable


Specification

Item	Unit	Spec.	Methods
➤ Color	APHA	Max. 20	ASTM D1209
➤ Specific Gravity	20/20°C	0.984±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	1.487±0.003	JIS K 6751
➤ Ester Value	-	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 ¹¹	JIS K 6751


Physical Properties

Item	Unit	Conditions	Physical Properties
➤ Molecular Weight	-	-	391
➤ Viscosity	cP	20°C	82
➤ Boiling Point	°C	@ 760mmHg	383
➤ Freezing Point	°C	-	-48
➤ Flash Point	°C	-	238



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.

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

April 2019