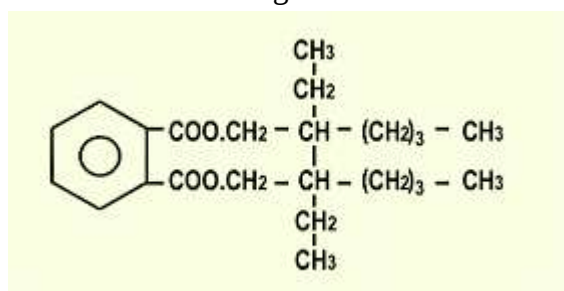


DOP (DI-OCTYL PHTHALATE)

■ Technical Description

DOP has the following chemical structure.



DI-OCTYL PHTHALATE(DOP)

DI-2-ETHYL-HEXYL
PHTHALATE

■ Specification

Item	Show in	Value	Test Method
Acid Value	mgKOH/g	0.05 MAX.	JIS K 6751
Color	Pt/Co	30 MAX.	ASTM D1045
Density @20℃	g/cm ³	0.986±0.003	ASTM D1045
Ester Content	wt%	99.6 MIN.	G/C
Refr.index @20℃	-	1.485±0.003	ASTM D1045
Water Content	wt%	0.05 MAX.	ASTM D1364
Heating Loss	wt%	0.1 MAX.	KSM 3003
LVR:Liquid Volume Resistivity	Ohm/cm	2 x 10" MIN.	ASTM D1169

■ Application

Most common plasticizer of phthalate. It is well mixed with PVC(Poly Vinyl Chloride) and PVA(Poly Vinyl Acetate). It is used for leather, seats, PVC films, electrical wires, plastic products and paint.

■ Main Physical properties

Molecular weight 390
Flash point 218℃
Auto-ignition temperature 400℃
Explosion limits in air at 1 atm :
 ·lower 0,1%(vol)
 ·upper 0,18%(vol)
Normal boiling point decomposition above 295℃

■ Packing

This product can be delivered either in Flexi bag or 200 kg in steel drum.