

Plasticizer DOP

Diethyl-phthalate

Technical Data Sheet

Diethyl-phthalate(DOP)

DOP is a nearly colorless, clear and practically anhydrous oily liquid. It is soluble in the usual organic solvents like ethyl-alcohol, acetone, toluene. DOP is almost insoluble in water. DOP is miscible and compatible with all of the monomeric plasticizers commonly used in PVC. So it can use mixed with the monomeric plasticizers in PVC formulation. DOP is a General Purpose plasticizer providing the desired flexibility to PVC along with an overall balance of optimum properties at the lowest cost.

Chemical Data:

	Chemical Name	Molecular Formula	CAS No.	Class	UN No.
DOP	Diethyl-phthalate	C ₂₄ H ₃₈ O ₄	117-81-7	/	3082

Applications:

> Plasticizer in PVC resins for fabricating flexible vinyl Product

Vinyl upholstery, tablecloth, shower, curtain, raincoat, shoes, garden hoses, swimming pools liners, polymeric coating, cable coating, component of paper & paperboard, defoaming agents, surface lubricants, in order of importance.

Physical Properties:

Item	Value	Unit
Appearance	Transparent Oily Liquid	/
Chroma (Platinum-Cobalt)	30 Max	/
Purity	99.5 Min	%
Density	0.982~0.988	g/cm^3 (@ 20°C)
Acidity(as Phthalic Acid)	0.010 Max	%
Flash Point	196 Min	°C
Moisture	0.10 Max	%
Volume Resistivity	1.0 Min	$\times 10^9 \Omega \cdot m$

Standard Packing:

- 200kgs in Iron Drum
- 1,000kgs in IBC Drum
- 23,000kgs in Flexibag