



PRODUCT SPECIFICATION

Product: ChemFlexx DOP
Chemical Name: Di (2-ethylhexyl) phthalate
CAS No: 117-81-7
Molec. Formula: C₂₄H₃₈O₄

Property	Specification
Appearance	Clear and free of suspended matter
Acid Value, mg KOH/g	0.07 max
Color, APHA	30 max
Water content, wt. %	0.10 max
DOP content, wt. %	99.00 min
Specific Gravity @ 20/20°C	0.983-0.989

Physical Properties	
Molec. Weight (approx.)	391
Refraction Index @ 25°C	1.484 – 1.486
Boiling Point @ 760 mmHg (°C)	378 – 386
Freezing Point (°C)	-50 to -47
Flash point, C.O.C., °C	200-220
Combustion point, C.O.C., °C	249
Vapor pressure (Pa)	
@150°C	6 – 10
@200°C	130 – 180
Viscosity (Pa.s)	
@150°C	0.10 – 0.25
@150°C	0.03 – 0.06
@150°C	0.01 – 0.02
Volume resistivity (Ω.cm)	3.0 x 10 ¹²
Expansion Coefficient (m ³ /m ³ /°C)	0.0005
Solubility in water @ 25°, %	0.005
General solubility	Soluble in most organic solvents