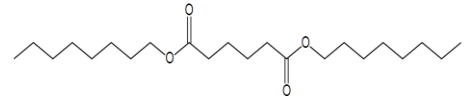


MELFLEX® D.O.A**Bis (2-ethylhexyl) adipate**

CAS NUMBER: 123-79-5
EINECS NUMBER: 204-652-9
MOLECULAR FORMULA: C₂₂H₄₂O₄
MOLECULAR WEIGHT: 370.57 g/mol



PARAMETERS	VALUE	METHODS
ESTER %	≥ 99,8	ASTM D3465
REFRACTIVE INDEX n _{20D} (20°C)	1,4455±0,001	ASTM D1045-08 (D1218)
SPECIFIC GRAVITY 20/20°C (g/cm ³)	0,925-0,945	ASTM D1045-08 (D287-D4052)
VISCOSITY (cP) 20°C	25 ± 10	BROOKFIELD METHOD
ACIDITY(as mgKOH/g) (%)	0,1 max.	ASTM D1045-08
WATER CONTENT (Karl Fischer) %	0,1 max.	ASTM D1064
OPEN CUP FLASH POINT (COC),°C	195 ± 5	ASTM D-92
COLOR (Pt-Co Scale) (Hazen)	25 ± 5	ASTM D1045-08 (D1209)

Applications:

DOA is used as cold-resistant plasticizer for polyvinyl chloride, chloroethylene copolymer, polystyrene, nitrocellulose, ethyl cellulose and synthetic rubber.