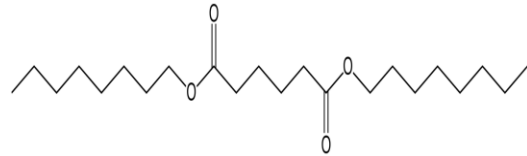


# Technical Data Sheet

FEBRUARY 2014, REV:02

## MELFLEX<sup>®</sup> DOA (Bis (2-ethylhexyl) Adipate)

CAS NUMBER: 103-23-1  
MOLECULAR FORMULA: C<sub>22</sub>H<sub>42</sub>O<sub>4</sub>  
MOLECULAR WEIGHT: 371



PARAMETERS	VALUE	METHODS
ESTER %	> 99,0	ASTM D3465
REFRACTIVE INDEX n <sub>20D</sub> (20°C)	1,4465±0,002	ASTM D1045-08 (D1218)
SPECIFIC GRAVITY 20/20°C (g/cm <sup>3</sup> )	0,925-0,945	ASTM D1045-08 (D287-D4052)
VISCOSITY (cP) 20°C	25±10	BROOKFIELD METOD
ACIDITY( as mgKOH/g ) (%)	0,2 max.	ASTM D1045-08
WATER CONTENT (Karl Fischer) %	0,1 max.	ASTM D1064
OPEN CUP FLASH POINT (COC), °C	> 195	ASTM D-92
COLOR (Pt-Co Scale) (Hazen)	25±5	ASTM D1045-08 (D1209)

### Applications:

DOA is usually used in cold-resisting agricultural flim, cable sheat, Artificial leather, outdoor water tube, frozen food package flim and so on.



PET Resin, Plasticers & PVC FloorCover

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**Operating With:** ISO 9001-2000, ISO 14001, OHSAS 18001-2004, TSE