

DOA Technical Data Sheet

Product Characteristics

DOA (Dioctyl Adipate) is a light colored with a hardly noticeable odor and oily liquid generally used as a plasticizer for PVC. It can be used alone or blended with other plasticizers to optimize cost-performance in the large range of temperatures. DOA produces a touch of softness in the final product. It is a plasticizer very resistant to the extraction and migration.

Applications

- Clear films for food packaging applications
- Caps & lids food contact
- Plasticizer gelatinizes in Nitrocellulose
- Surface coating
- Rubber
- Artificial leather
- Building products
- Inks

Specifications & Properties

➤ Appearance:	Nearly colorless liquid
➤ Density at 20°C:	0.924-0.926 g/cm ³
➤ Viscosity at 20°C:	13 - 15 mPa.s
➤ Acid Value:	0.05 mg KOH/g max
➤ Ester content:	99.5 %by area min
➤ Water content:	0.05 max
➤ Boiling point:	240-250 °C
➤ Freezing point:	-50 °C
➤ Flash point:	197 °C
➤ CAS. No:	84-71-9

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Properties

- Good resistance to weathering and moisture
- Good stability to light and heat
- Excellent resistant to the extraction and migration
- High boiling point
- Low temperature performance
- Improves the flexibility at low temperatures
- Excellent electric properties

Packing

IBC 950 kg and drums 200 kg

Product Storage

DOA can be stored for one year in its original packing at temperatures below 40°C, if moisture is excluded.

Only dedicated equipment should be used to discharge this product.

Safety Precautions

Please consult the MSDS before handling for additional information concerning personal protective equipment, Safety, Health and Environmental information, and always exercise the utmost care in handling.