

DOA (Di Octyl Adipate)

Description/Applications

High quality plasticizer. Provides great flexibility in combinations at low temperature. Presents low volatility under high temperatures and excellent mechanical strength. It has the quality of easily mixing, permitting a good processing, giving an easy flow to the material specially when used in PVC compounds and synthetic rubber. It is compatible with most of the synthetic resins, including polymers, natural and synthetic rubbers, methacrylates, polystyrene, cellulose acetobutyrate, ethyl cellulose and nitrocellulose.

| Specifications | Unit | Values |
|---------------------|------------|---------------|
| Ester content | % CG | 99.0 min. |
| Color | Pt / Co | 30 max. |
| Density , (20/4 °C) | | 0.924 – 0.929 |
| Free Acidity | mg KOH / g | 0.05 max. |
| Water | % Weight | 0.10 max. |

- This product is guaranteed since it is stored and packaged as described below.

| Physical Properties | Unit | Values |
|-------------------------|------|-------------------|
| Chemical formula | | $C_{22}H_{42}O_4$ |
| Molecular weight | | 370 |
| Refractive index, 25 °C | | 1.446 ± 0.002 |
| Flash point | °C | 190 |
| Viscosity, 25 °C | cP | 15 |
| Boiling point | °C | 224 |
| Physical state | | Liquid |

- The properties' values above are just for reference, and not to be considered as guaranteed parameters.

PACKAGING :

Bulk : in stainless steel tank cars.

STORAGE :

Bulk : in stainless steel, aluminum or strength plastic tanks, closed and provided with air escapes.