



Product Data Sheet

ECOD-FLEX 332

ECOD-FLEX 332 is a three-components high solvating Dibenzoate plasticizer. It has been widely used in PVC resilient flooring (as a fast fuser, delivering low processing temperature), polyvinyl acetate and water-based adhesives (extend open time and reduce set time), acrylic latex caulks (improve adhesion), polysulfide sealants, paints and coatings, pressure-sensitive adhesives, etc..

Specification

Appearance: transparent oily liquid, free of particulate impurities.

Assay (Benzoic esters): 98.0% min.

Acidity (calculated as Benzoic Acid): 0.1% max.

Color (APHA): 40 max.

Moisture: 0.1% max.

Hydroxyl No.: 8 max.

Typical Properties

| | |
|------------------------------|-----------------|
| Molecular Weight (typical) | 332 |
| Boiling Point | 354 |
| Freezing Point (°C) | <16 |
| Pour Point (°C) | -25 |
| Flash Point (TCC, °C) | 202 |
| Refractive Index (25°C) | 1.539 |
| Specific Gravity (25°C) | 1.15-1.16 |
| Viscosity (Brookfield, 25°C) | 72 cps |
| Odor | Mild ester-like |

Outstanding Advantages

1. Environmentally friendly plasticizers recommended by the European Chemical Agency (ECHA) in May 2009. Does not contain any phthalates and can be used as primary plasticizers. Data from more than 30 years applications and tests show Dibenzoate esters are low in toxicity, non-mutagenic, non-carcinogenic and easy to degrade.
2. High solvating and lower fusing point which means faster processing speed. Very good foaming effect in PVC foaming process.
3. Good compatibility with PVC and EVA polymers. In polyvinyl acetate, water-based adhesives and acrylic latex caulks industry, as a viscosity adjuster it can extend open time, reduce set time, improve tenacity and decrease film-forming temperature of emulsions.
4. PVC formulations containing Ecod-flex 332 have exhibited exceptional stain resistance and resistance to fatty ester solvents.

Package: 225kg iron drums or 1100kg IBC.

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