



Product Data Sheet

ECOD-FLEX 800

ECOD-FLEX 800 is a versatile, high-solubility benzoate plasticizer with broad compatibility in polymers, particularly exhibiting excellent compatibility with polyurethanes (TPU/CPU). Featuring light color, low odor, and low hydroxyl value, this product minimizes reactivity in formulations for superior ease of use. It is primarily designed for applications requiring high transparency, such as PU footwear, smart wearable devices, fire hoses, printing rollers, printing blades, etc.

Specification

Appearance: Clear oily liquid, free of mechanical impurities
Content (benzoate esters): $\geq 99.0\%$
Acidity (as benzoic acid): $\leq 0.1\%$
Color (APHA): ≤ 40
Moisture: $\leq 0.1\%$
Hydroxyl value: ≤ 6

Typical Properties

Molecular Weight(typical)	307
Color (APHA):	20
Flash Point(TCC, °C)	210
Refractive Index(25°C)	1.5440
Specific Gravity(25°C)	1.168
Viscosity(Brookfield, 25°C)	85 cps
Odor	Mild ester-like

Outstanding Advantages

1. High plasticizing efficiency with superior compatibility in TPU/CPU systems.
2. Low color index ensures outstanding clarity in finished products.
3. Low hydroxyl value minimizes unintended reactions in formulations.
4. Milder odor compared to conventional benzoate plasticizers.

Package: 225kg iron drums/ 1100kg IBC tanks

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