

Epoxidized Soya Oil Acrylate

Product Description

Epoxidized Soya Oil Acrylate improves the flow and leveling of UV / EB curable inks and coatings. Additional benefits are the enhancement of pigment wetting, film flexibility, and adhesion when used as a modifier in inks and clear or pigmented coatings on paper and metal substrates.

Typical properties

Appearance	Clear liquid
Color (Gardner) max.	≤ 8
Viscosity, 25°C, cP/mPa·s	23,000-35,000
Density, g/ml at 25°C	1.03
Oligomer, % by weight	> 95
Acid value, mg KOH/g	≤ 5
Functionality	3

Advantages

- Improved flow and leveling
- Good pigment wetting
- Good hydrophilic-lipophilic balance for lithography
- Enhanced adhesion on paper and metal
- Good surface appearance
- Improved substrate wetting

Applications

Formulated UV/EB curable products containing Epoxidized Soya Acrylate may be applied via direct or reverse roll, offset gravure, metering rod, slot die, knife over roll, air knife, curtain, immersion and spin coating methods, as well as flexographic, lithographic and screen printing.

Epoxidized Soya Acrylate is recommended as a modifying resin for:

- Overprint varnishes for paper
- Lithographic ink vehicles
- Metal decorating and protective coatings
- Screen ink vehicles
- Pigmented coatings for wood

Packing & Storage

- 200kg Metal Drums
- This monomer should be stored indoors in the original, unopened and undamaged containers in a dry place at storage temperatures below 38°C. Exposure to direct sunlight should be avoided
- Recommended shelf life is 1 year

All the information above is based on data obtained at laboratory and is not to be used for certifying the suitability of the product. Users are advised to test the product in their own system before purchase.