

PRODUCT INFORMATION

CEVO-process J-4420

Product Description

CEVO-process J-4420 is a patented, partially saponified organic ester wax, based on renewable plant waxes. It combines in an ideal manner the characteristics of a multi-purpose plastics additive with the call for bio-based raw materials. It is therefore also perfectly suitable for thermoplastic polymers, that are derived from renewable resources. In CEVO-process J-4420 natural long-chain fatty acids (mainly C19 – C32) have been modified by an innovative technology to give a bio-based polymer additive that meets the highest standards in the polymer industry.

General Advantages

High effectiveness at low concentrations: CEVO-process J-4420 is extremely versatile and suitable for a wide range of plastics applications as a multi-purpose additive, e.g. release agent, flow improver, dispersing agent, nucleation agent, gloss booster, surface improver. CEVO-process J-4420 is suitable for engineering plastics, thermosets, PVC, etc.

Examples of Use

- Thermoplastics: PA, PBT, TPE, PC, PVC, styrenics
- Thermosets: epoxy resins, phenolic resins, polyurethane
- Dispersing agents for colour masterbatches and filled plastics (talc, glass fibre)

Delivery Specifications *

Characteristics	Unit	Target value	Method
Acid value *	mg KOH/g	6 – 15	ISO 2114
Saponification value *	mg KOH/g	110 – 150	ISO 3681
Drop point *	°C	92 – 105	ASTM 3954
Colour	–	light yellowish	AA 3.2.1.505

Packaging and Handling

Physical form	Flakes or powder
Packaging	Paper bag or Big Bag
Storage	Store at ambient temperature on a dry place. Protect from heat/overheating and direct sunlight. The minimum remaining period is 1.5 years and is defined as the minimum shelf life at the customer. Thereafter, tests of the chemical characteristics are recommended. The maximum shelf life of 5 years is indicated.

Safety

CEVO-process J-4420

- is made from a renewable biological source
- reached the criteria for inherent biodegradability (OECD Guideline 301 D, Closed Bottle Test)
- is not classified as carcinogenic, mutagenic or reprotoxic; no health or environmental hazards are known, provided it is applied in industrial and professional settings

Delivery Time and Availability

Standard delivery time: 2 – 3 weeks. Preconditions can be met for achieving shorter delivery times on standard products when demanded by the market.

Legislation

Food contact legislation:

- Product for technical applications

Other legislation:

- DIN certified as bio-based (> 85 %)
- REACH, RoHS and CONEG compliant
- TSCA (USA) and DSL (Canada): listed

For further information, please contact application@voelpker.com.