PRODUCT INFORMATION

CEVO®-process J-4418

Product Description

CEVO®-process J-4418 is a patented 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-4418 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-4418 reveals a wide effect spectrum: it 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, gloss booster, surface improver CEVO®-process J-4418 is suitable for engineering plastics (also, for example PLA), thermosets, PVC, etc.

Examples of Use

- Thermoplastics: PLA, 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	12 – 25	ISO 2114
Drop point *	°C	83 – 90	ASTM 3954
Colour	–	pale yellow	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 maximum shelf life is 5 years after production. Thereafter, tests of the chemical characteristics are recommended. After delivery, a minimum remaining shelf life at the customer of 1.5 years is warranted.

Safety

CEVO®-process J-4418
- 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.

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