

PRODUCT INFORMATION

WARADUR® EBS

Product Description

WARADUR® EBS is a plant based, high melting, straight-chained amide wax. CAS #: 110-30-5.

General Advantages

Due to its low volatility, WARADUR® EBS is especially used in engineering plastics which are processed at higher temperatures. WARADUR® EBS does not affect the transparency of engineering plastics and is widely used as a typical slip- and anti-blocking agent.

Examples of Use

- Good release properties in PVC and thermoplastics
- Polyamide: flow improvement: WARADUR® EBS can be added as a lubricant in concentrations of 0.1 – 1.0 %; mould release and surface improvement: max. 0.6 %
- Calendering/blow moulding of PET/PBT: slip- and anti-blocking agent; usual concentrations 0.1 – 0.5 %
- Other applications: rubber, inks, hot melts, metal working, compacting aids in powder metallurgy

Delivery Specifications *

Characteristics	Unit	Target value	Method
Acid value *	mg KOH/g	max. 10	ISO 2114
Drop point *	°C	139 – 151	ASTM 3954
Colour	–	almost white	–
Density	g/cm³	0.99 – 1.01	Ph. Eur. 2.2.5

Packaging and Handling

Physical form	various
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

WARADUR® EBS

- is not classified as carcinogenic, mutagenic or reprotoxic; no health or environmental hazards are known, provided it is applied in industrial and professional settings.
- is insoluble in water and physico-chemically eliminable. For more info, please consult SDS.

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:

- EU: all components listed in Annex I, Table 1 of Regulation (EU) No 10/2011 on plastic materials and articles intended to come into contact with food (no SML)
- This product is regulated under the following section(s) of the Code of Federal Regulations (CFR) as an incidental food additive:
 - 21 CFR 175.105 Adhesives
 - 21 CFR 175.300 Resinous and polymeric coatings
 - 21 CFR 175.320 Resinous and polymeric coatings for polyolefin films
 - 21 CFR 177.1210 Closures with sealing gaskets for food containers
 - 21 CFR 177.1520 Olefin polymers
 - 21 CFR 177.1640 Polystyrene and rubber-modified polystyrene
 - 21 CFR 177.2480 Polyoxymethylene homopolymer
 - 21 CFR 177.2600 Rubber articles intended for repeated use
 - 21 CFR 178.3860 Release agents

Other legislation:

- REACH, RoHS and CONEG compliant
- Listed in all relevant national inventories

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

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Issued: 2021-12-07, supersedes all previous editions

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