PRODUCT INFORMATION

WARADUR® S

Product Description

WARADUR® S is a mixture of montanic acids. Montanic acids are straight-chained monocarboxylic acids with a chain length in the range of C28 – C32 and exhibit a good thermostability and a low volatility.

General Advantages

High effectiveness at low concentrations: WARADUR® S is suitable for a wide range of plastics applications, mainly as external release agent, dispersing agent, gloss booster and surface improver. WARADUR® S is suitable for engineering plastics, thermosets, etc.

Examples of Use

- Thermoplastics: ABS and copolymers
- Thermosets: epoxy resins, phenolic resins
- Dispersing agents for colour masterbatches

Delivery Specifications *

Characteristics	Unit	Target value	Method
Acid value *	mg KOH/g	135 – 160	ISO 2114
Drop point *	°C	82 – 88	ASTM 3954
Saponification value	mg KOH/g	approx. 155 – 180	ISO 3681
Colour	–	pale yellow	AA 3.2.1.505
Viscosity @ 120 °C	mPas	10 – 15	AA 3.2.1.520
Density	g/cm^3	1.00 – 1.02	Ph. Eur. 2.2.5

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

WARADUR® S
- is made from a fossilised plant wax
- 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:
- FDA 175.105 Adhesives
- FDA 177.2600 Rubber articles intended for repeated use
- FDA 176.210 Defoaming agents used in the manufacture of paper and paperboard
- Commission Regulation (EU) No 10/2011 of 14 January 2011 on plastic materials and articles intended to come into contact with food

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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