PRODUCT INFORMATION

WARADUR® GSA

Product Description

WARADUR® GSA is an ester wax consisting of esters of montanic acid with multihydroxyl alcohols.

General Advantages

High effectiveness at low concentrations (0.3 – 0.8 phr). High compability and low migration tendency; acts internally as flow improver and also externally as release agent.

Examples of Use

Especially for engineering plastics and Ca/Zn stabilised rigid PVC extrusion.

Delivery Specifications *

Characteristics	Unit	Target value	Method
Acid value *	mg KOH/g	13 – 26	ISO 2114
Drop point *	°C	72 – 80	ASTM 3954
Saponification value	mg KOH/g	approx. 165 – 195	ISO 3681
Colour	–	pale yellow	AA 3.2.1.505
Viscosity @ 120 °C	mPas	approx. 60	AA 3.2.1.520
Density	g/cm^3	approx. 1.00 – 1.02	Ph. Eur. 2.2.5

Packaging and Handling

Physical form	Pastilles 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® GSA
- is made from 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:
- Product for technical applications; not food contact compliant

Other legislation:
- REACH, RoHS and CONEG compliant

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

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