

PRODUCT INFORMATION

WARADUR® OZN (Type O)

Product Description

WARADUR® OZN is a hard ester wax consisting of esters of montanic acids with multihydroxyl alcohols. Montanic acids are straight-chained monocarboxylic acids with a chain length in the range of C28 – C32. The corresponding esters exhibit chain length in the range of \leq C66. WARADUR® OZN is partially saponified.

General Advantages

WARADUR® OZN is characterised by its high gloss and its high retention capacity for organic solvents such as white mineral spirits. WARADUR® OZN can bind up to twenty times their own weight of these solvents to form pastes with a fairly stiff texture which do not become liquid.

Examples of Use

- WARADUR® OZN can be used to manufacture high-quality solvent-based wax polishes for floors, shoes, furniture, etc. The pastes prepared from WARADUR® OZN are colloidal and therefore transparent. Combinations of WARADUR® OZN with WARADUR® E form pastes with a creamier texture.
- For more information about VOELPKER waxes for shoe polish formulations consult the technical leaflet: "Montan waxes and special wax blends for shoe polish: Guide to suggested formulations".

Delivery Specifications *

Characteristics	Unit	Target value	Method
Acid value *	mg KOH/g	10 – 15	ISO 2114
Saponification value *	mg KOH/g	110 – 140	ISO 3681
Drop point *	°C	97 – 105	ASTM 3954
Colour	–	light yellowish	AA 3.2.1.505
Viscosity @ 120 °C	mPas	150 – 300	AA 3.2.1.520
Density	g/cm ³	1.00 – 1.02	Ph. Eur. 2.2.5

Packaging and Handling

Physical form	Flakes, also available as 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

WARADUR® OZN

- is made from a fossil biological source
- in a test for ready biodegradability showed 22 % biodegradability, which can be considered as indication for inherent primary biodegradability, according to OECD (2006)
- 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:

- REACH, RoHS and CONEG compliant
- Listed in all relevant National Inventories

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