PRODUCT INFORMATION

WARADUR® ELE

Product Description

WARADUR® ELE is a special wax blend, consisting of esters of long-chain fatty acids (mainly C28 – C32) with multihydroxyl alcohols. The corresponding esters exhibit chain length in the range of mainly C34 – C66. Product for the preparation of aqueous dispersions. A proprietary emulsifier mixture (APEO-free) is already incorporated in this blend.

General Advantages

WARADUR® ELE is easy to emulsify. Non-ionic emulsions can prepared up to concentrations of 25 – 30 %. Because the wax is self-emulsifying, emulsions are easily prepared by stirring the solid flakes into hot water.
Technical support available upon request.

Examples of Use

- Mould release emulsions for PUR, epoxy resins
- Wood industry: mould release for aminoplast resins applied as laminates to furniture
- Paper and packaging: anti-blocking agent for PVCD and other polymers
- Plastics industry: slip agent for injection moulding and for foam mouldings made from hot-cured polyurethane foam
- Technical information about emulsions preparation available upon request.

Delivery Specifications *

Characteristics	Unit	Target value	Method
Acid value *	mg KOH/g	25 – 35	ISO 2114
Drop point *	°C	82 – 88	ASTM 3954
Saponification value	mg KOH/g	approx. 110 – 140	ISO 3681
Colour	–	pale yellow	AA 3.2.1.505
Viscosity @ 120 °C	mPas	10 – 20	AA 3.2.1.520
Density	g/cm^3	1.00 – 1.02	Ph. Eur. 2.2.5

Packaging and Handling

Physical form	Flakes
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

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.

Remark: Voelpker's R&D department is permanently developing new special wax blends for the preparation of aqueous dispersions. Please contact us for your individual requirements.

Legislation

Food contact legislation:
- Product for technical applications

Other legislation:
- REACh compliant; all components registered or exempt (polymers, salts of fatty acids)
- RoHS and CONEG compliant
- Ingredients listed in all relevant national inventories

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

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