PRODUCT INFORMATION

WARADUR® PT

Product Description

WARADUR® PT: Pentaerythritol esters with long, straight-chained fatty acids.

General Advantages

Release and dispersing effect, low volatility, excellent thermostability, minimum influence on the transparency of the finished article.

Examples of Use

- PC, ABS, TPU, POM, PMMA, PET, PBT, PA and other engineering plastics.
- Dosage 0, 2 - 1,0 % - depending on the application

Delivery Specifications *

Characteristics	Unit	Target value	Method
Acid value *	mg KOH/g	max. 3	ISO 2114
Drop point *	°C	60 – 65	ASTM 3954
Colour	-	almost white	-
Density	g/cm³	0.99 – 1.01	Ph. Eur. 2.2.5

Packaging and Handling

Physical form	Beads, other
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® PT is not classified as carcinogenic, mutagenic or reprotoxic; no health or environmental hazards are known, provided it is applied in industrial and professional settings.
- Insoluble in water; physico-chemically eliminable

For more info 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 176.170 Components of paper and paperboard in contact with aqueous and fatty foods
  21 CFR 177.1200 Cellophane
  21 CFR 177.2470 Polyoxymethylene copolymer
  21 CFR 177.2480 Polyoxymethylene homopolymer

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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