

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/cm ³	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:

- RECh, RoHS and CONEG compliant
- Listed in all relevant national inventories.

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