

DEUREX® EO 4501 W

TECHNICAL INFORMATION

Chemical description: Water-borne emulsion of polar oxidized HDPE DEUREX® EO 45

Applications: - Water-based paints, coatings and printing inks

Water-based lubricant and release agent

- Finishing auxiliaries for textiles, paper and leather

- Care products (polishes)

- Hotmelts

Properties: - Increased slip and scratch resistance

Outstanding abrasion resistance

Increase of surface gloss and surface smoothness
 Very good blocking resistance and water repellency

- Reduced coefficient of friction

- Anti-caking additive for thermoplastics

- High hardness

Processing: - Stir well before usage

Consume quickly after opening

Storage, shelf life: - Store at temperatures between +5 °C and +28 °C

- Shelf life 6 month in closed original container,

- Avoid frost

Technical data: Colour: Ligth yellow opaque

Form of delivery: Liquid

IBC 1,000 kg, Drum 200 kg, Canister 10 kg

	Minimum	Maximum		
Drop point (solid):	125 °C	135 °C	LV 12 (DGF M-III 3)	
Average particle size:	50 nm	200 nm		
Solid content*:	34 %	36 %		
Emulsifier system:	non-ionic			
pH-value*:	7.0	9.0		

^{*} part of certificate of analysis

Approvals: DEUREX® EO 4501 W is approved for use in the production of consumer good used

for food contact.

EU: Regulation (EU) 10/2011 dated 14. January 2011

Approvals with regard to limitations and migration values in the end use application

Alternative delivery form: DEUREX® EO 45 K – Fine granules

DEUREX® EO 4520 M - Micronized powder, 98% < 20 µm

Alternative products: DEUREX® EO 4601 W – Average particle size 50 – 100 nm

DEUREX® E 1101 W - Average particle size 100 - 500 nm

This data sheet is based on our current knowledge and experience. In view of the individual factors that may affect processing and application, this data does not relieve users from the responsibility of carrying out their own tests and experiments, neither do they imply any legally binding assurance of certain properties. Existing industrial/commercial protective laws have to be considered by the recipient. Updated versions of the data sheet replace all formerly existing versions.

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