

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