

## DEUREX® EO 46 K

### TECHNICAL INFORMATION

- Chemical description:** Oxidized HDPE wax
- Production process:** Dry Oxidation
- Applications:** Production of water based emulsions and dispersions for
- Textile industry (improved sewability and cutting of textiles, improves machine lifetime)
  - Care products, polishes
  - Coatings and inks (e.g. overprint varnishes)
  - Leather & paper industry
- Benefits:**
- For the production of very fine and transparent emulsions
  - Easier to emulsify than DEUREX® EO 45 K due to higher acid value
- Properties:**
- Improves the surface properties including scratch resistance by lowering the coefficient of friction
  - High density and high drop point
  - Excellent abrasion resistance
  - High blocking resistance and UV stability
  - Improves processing time and adhesion to substrate
  - Improves slip

**Technical data:** Color: Off-white  
Delivery form: **DEUREX EO 46 K** = Fine granules

	Typical value		Method
Drop point:	137 °C	139 °C	ASTM D 3954
Acid value*:	28 mgKOH/g	32 mgKOH/g	ASTM D 1386
Penetration:	0.5 mm*10 <sup>-1</sup>		ASTM D 1321
Viscosity (150 °C):	4.000 mPas		ISO 3219
Density (23 °C):	0.97 g/cm <sup>3</sup>	0.99 g/cm <sup>3</sup>	ISO 1183

\* Part of certificate of analysis

**Approvals:** Food contact approvals

**Alternative products:** See <https://www.deurex.com/productsearch/DEUREX-EO-46-K/>