

DEUREX® EO 47 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 46 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 47 K** = Fine granules

	Typical value		Method
Drop point:	137 °C	139 °C	ASTM D 3954
Acid value*:	34 mgKOH/g	36 mgKOH/g	ASTM D 1386
Penetration:	0.5 mm*10 ⁻¹		ASTM D 1321
Viscosity (150 °C):	3.000 mPas		ISO 3219
Density (23 °C):	0.97 g/cm ³	0.99 g/cm ³	ISO 1183

* Part of certificate of analysis

Approvals: Food contact approvals

Alternative products: See <https://www.deurex.com/productsearch/DEUREX-EO-47-K/>