

## **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 <sup>-1</sup>	ASTM D 1321
Viscosity (150 °C):		3.000 mPas	ISO 3219
Density (23 °C):	0.97 g/cm <sup>3</sup>	0.99 g/cm <sup>3</sup>	ISO 1183

<sup>\*</sup> Part of certificate of analysis

**Approvals:** Food contact approvals

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

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