

## **DEUREX® EO 45 P**

**TECHNICAL INFORMATION** 

Chemical description: Oxidized HDPE wax

Benefits: DEUREX® EO 45 probably the hardest wax in the world

**Production process:** Wet 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: White powder, transparent melt

Finer particle size compared to DEUREX® EO 45 K For the production of very fine and transparent emulsions

Easily to emulsify due to high 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: White Delivery form: **DEUREX EO 45 P** = Powder

> Method Typical value 135 °C Drop point\*: 132 °C ASTM D 3954 Acid value\*: 23 mgKOH/g 27 mgKOH/g ASTM D 1386 0.5 mm\*10<sup>-1</sup> Penetration: **ASTM D 1321** Viscosity (140 °C)\*: 2.500 mPas ISO 3219 Density (23 °C): 0.97 g/cm<sup>3</sup> 0.99 g/cm<sup>3</sup> ISO 1183

> > Revision:

Approvals: Food contact approvals

Alternative products: See https://www.deurex.com/productsearch/DEUREX-EO-45-P/

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