

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

	Typical value		Method
Drop point*:	132 °C	135 °C	LV 12 (DGF M-III 3)
Acid value*:	24 mgKOH/g	26 mgKOH/g	DIN EN ISO 2114
Penetration:		0.5 mm*10 ⁻¹	LV 4 (DIN 51579)
Viscosity (140 °C):		2.500 mPas	LV 2 (DIN EN ISO3104)
Density (23 °C):	0.97 g/cm ³	0.99 g/cm ³	LV 3 (DIN EN ISO 1183)

Revision:

Approvals: EU: Regulation (EU) 10/2011

USA: FDA CFR §§ 175.105, 176.180, 176.200, 176.210, 177.2800 (Approvals with regard to limitations and migration values in the final application)

Alternative products: **DEUREX® EO 46 P** – Oxidized HDPE wax, acid value 30

DEUREX® EO 47 P – Oxidized HDPE wax, acid value 35

Alternative delivery forms: DEUREX® EO 45 K - Oxidized HDPE wax, acid value 25

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^{*} Part of certificate of analysis