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: <u>Production of water based emulsions and dispersions for</u>
- 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	ASTM D 3954
Acid value*:	23 mgKOH/g	27 mgKOH/g	ASTM D 1386
Penetration:		0.5 mm*10^{-1}	ASTM D 1321
Viscosity (140 °C)*:		2.500 mPas	ISO 3219
Density (23 °C):	0.97 g/cm³	0.99 g/cm³	ISO 1183

* Part of certificate of analysis

Approvals: Food contact approvals

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

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