

## DEUREX® EO 45 K

### TECHNICAL INFORMATION

<b>Chemical description:</b>	Oxidized HDPE wax		
<b>Benefits:</b>	- DEUREX® EO 45 probably the hardest wax in the world		
<b>Production process:</b>	- Dry Oxidation		
<b>Applications:</b>	<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  <u>Hot melt</u> - Increases heat resistance		
<b>Benefits:</b>	- For the production of very fine and transparent emulsions - Easily to emulsify due to high acid value		
<b>Properties:</b>	- Improves the surface properties including scratch resistance by lowering the coefficient of friction - High density and high drop point - Excellent abrasion resistance, improves slip - High blocking resistance and UV stability - Improves processing time and adhesion to substrate		
<b>Technical data:</b>	Color:	Off-white	
	Delivery form:	<b>DEUREX EO 45 K</b>	= Fine granules
		Typical value	Method
	Drop point:	137 °C	139 °C LV 12 (DGF M-III 3)
	Acid value*:	24 mgKOH/g	26 mgKOH/g DIN EN ISO 2114
	Penetration:		0.5 mm*10 <sup>-1</sup> LV 4 (DIN 51579)
	Viscosity (150 °C):		5.000 mPas LV 2 (DIN EN ISO3104)
	Density (23 °C):	0.97 g/cm <sup>3</sup>	0.99 g/cm <sup>3</sup> LV 3 (DIN EN ISO 1183)
	* Part of certificate of analysis		
<b>Approvals:</b>	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)		
<b>Alternative products:</b>	<b>DEUREX® EO 46 K</b> – Oxidized HDPE wax, acid value 30 <b>BIOMER® 130</b> – Biodegradable high melting wax		
<b>Alternative delivery forms:</b>	<b>DEUREX® EO 45 P</b> – Oxidized HDPE wax, acid value 25		

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