

DEUREX[®] EO 45 K

TECHNICAL INFORMATION

Chemical description:	Oxidized HDPE wax		
Benefits:	- DEUREX [®] EO 45 probably the hardest wax in the world		
Production process:	- Dry 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 <u>Hot melt</u> - Increases heat resistance		
Benefits:	- 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, improves slip - High blocking resistance and UV stability - Improves processing time and adhesion to substrate		
Technical data:	Color:	Off-white	
	Delivery form:	DEUREX EO 45 K	= Fine granules
		Typical value	Method
	Drop point:	137 °C	139 °C ASTM D 3954
	Acid value*:	24 mgKOH/g	26 mgKOH/g ASTM D 1386
	Penetration:		0.5 mm*10 ⁻¹ ASTM D 1321
	Viscosity (150 °C):		5.000 mPas ISO 3219
	Density (23 °C):	0.97 g/cm ³	0.99 g/cm ³ ISO 1183
	* Part of certificate of analysis		
Approvals:	Food contact approvals		
Alternative products:	See https://www.deurex.com/productsearch/DEUREX-EO-45-K/		

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