

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> <ul style="list-style-type: none"> - 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:	<ul style="list-style-type: none"> - 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:	<ul style="list-style-type: none"> - 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/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-P/		