

DEUREX® EO 46 P

TECHNICAL INFORMATION

Chemical description:	Oxidized HDPE wax		
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 46 K - For the production of very fine and transparent emulsions - Easier to emulsify than DEUREX® EO 45 P due to higher 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:	Off-white	
	Delivery form:	DEUREX EO 46 P = Powder	
		Typical value	Method
	Drop point:	132 °C 135 °C	LV 12 (DGF M-III 3)
	Acid value*:	28 mgKOH/g 32 mgKOH/g	DIN EN ISO 2114
	Penetration:	0.5 mm*10 ⁻¹	LV 4 (DIN 51579)
	Viscosity (140 °C):	1.500 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)
	* Part of certificate of analysis		
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 45 P – Oxidized HDPE wax, acid value 25 DEUREX® EO 47 P – Oxidized HDPE wax, acid value 35		
Alternative delivery form:	DEUREX® EO 46 K – Oxidized HDPE wax, acid value 30 DEUREX® EO 4501 W – HDPE emulsion, 98% < 1 µm		

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