

DEUREX[®] EO 47 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 47 K - For the production of very fine and transparent emulsions - Easier to emulsify than DEUREX[®] EO 46 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 47 P = Powder
		Typical value
	Drop point:	138 °C
	Acid value*:	35 mgKOH/g
	Penetration:	0.5 mm*10 ⁻¹
	Viscosity (150 °C):	3.000 mPas
	Density (23 °C):	0.98 g/cm ³
		Method
		LV 12 (DGF M-III 3)
		DIN EN ISO 2114
		LV 4 (DIN 51579)
		LV 2 (DIN EN ISO3104)
		LV 3 (DIN EN ISO 1183)
	* Part of certificate of analysis	
Approvals:	DEUREX [®] EO 47 P is approved for the production of commodities intended to come into contact with food. 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 46 P – Oxidized HDPE wax, acid value 30	
Alternative delivery form:	DEUREX[®] EO 47 K – Oxidized HDPE wax, acid value 35	

This data sheet is based on our current knowledge and experience. In view of the individual factors that may affect processing and application, this data does not relieve users from the responsibility of carrying out their own tests and experiments, neither do they imply any legally binding assurance of certain properties. Existing industrial/commercial protective laws have to be considered by the recipient. Updated versions of the data sheet replace all formerly existing versions.
 ® - registered trademark by DEUREX