DEUREX®
THE WAX COMPANY

DEUREX® EO 43 P

TECHNICAL INFORMATION

Chemical description: Oxidized HDPE wax

Production process: Wet Oxidation

Applications:

PVC and other plastics
- Can be used in all U-PVC and P-PVC applications but also in C-PVC

Hot melt
- Adhesion, heat resistance, increase production output
- Increase heat resistance of hotmelts

Benefits:
- White powder, transparent melt
- Finer particle size compared to DEUREX® EO 43 K

Properties:

Partially internal and external wax, highly effective which
- Accelerates fusion
- Increases torque and pressure
- Synergistic effect in combination with non-polar PE waxes by reduction of melt viscosity
- Very effective for use in processing PVC regrind

Typical dosages:

Depending on the rheological requirements:
- Up to 0.2 phr for PVC, up to 0.5 phr for C-PVC

Technical data:

Colour: White
Delivery form: **DEUREX EO 43 P** = Powder

	Minimum	Maximum	Method
Drop point:	134 °C	137 °C	LV 12 (DGF M-III 3)
Acid value*:	6 mgKOH/g	8 mgKOH/g	DIN EN ISO 2114
Penetration:		0.5 mm*10^{-1}	LV 4 (DIN 51579)
Viscosity (140 °C):		25.000 mPas	LV 2 (DIN EN ISO3104)
Density (23 °C):	0.97 g/cm³	0.99 g/cm³	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 40 K – Oxidized LDPE wax, acid value 19
DEUREX® EO 44 P – Oxidized HDPE wax, acid value 16

Alternative delivery forms:

DEUREX® EO 43 K – Oxidized HDPE wax, acid value 7
DEUREX® EO 4520 M – Micronized oxidized HDPE wax, 98% < 20 µm
DEUREX® EO 4501 W – HDPE emulsion, 98% < 1 µm

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.
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DEUREX AG
Dr.-Bergius-Straße 8-12
D-06729 Elsteraue

T.:+49 (0) 03441/8 29 29 29
F.:+49 (0) 03441/8 29 29 28
info@deurex.com / www.deurex.com