DEUREX®
THE WAX COMPANY

DEUREX® E 11 K

TECHNICAL INFORMATION

Chemical description: Non polar, low molecular Polyethylene wax

Applications:

PVC and other plastics

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

Properties:

External wax, highly effective which

- Delays fusion
- Decreases torque and pressure
- Decreases melt temperature
- Improves gloss of final product
- Synergistic effect in combination with oxidized PE wax by reduction of melt viscosity

Typical dosages:

Depending on the rheological requirements

- Up to 0.6 phr for PVC
- Up to 1.0 phr for C-PVC

Technical data:

Colour: White
Delivery form: **DEUREX E 11 K** = Fine Granules

	Minimum	Maximum	Method
Drop point*:	110 °C	120 °C	LV 12 (DGF M-III 3)
Acid value:		0 mgKOH/g	DIN EN ISO 2114
Viscosity (140 °C)*:		80 mPas	LV 2 (DIN EN ISO3104)
Penetration:	3 mm*10^{-1}	7 mm*10^{-1}	LV 4 (DIN 51579)
Density (23 °C):	0.91 g/cm³	0.96 g/cm³	LV 3 (DIN EN ISO 1183)

* Part of certificate of analysis

Additional lubricants:

DEUREX® E 40 K – Oxidized LDPE wax
DEUREX® EO 44 K – Oxidized HDPE wax
DEUREX® T 39 K – Fischer Tropsch wax
DEUREX® TO 80 G – Oxidized Fischer Tropsch wax (Hardparaffin)

Alternative delivery form:

DEUREX® E 1101 W – Water-borne polyethylene wax emulsion
DEUREX® E 11 B – Off white - Extremely competitive price

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