

## DEUREX® H 81

### TECHNICAL INFORMATION

- Chemical description:** Bio-based hybrid wax based on Sugar Cane wax and Polyethylene wax
- Production process:** Homogeneously melted wax hybrid
- Benefits:** Hybrid waxes offer a variety of wax properties:
- Contains renewable sugar cane waxes of the type DEUREX® X 52
  - Contains short-chained polyethylene wax to optimize adhesion and flexibility on the surface of your end product as well as UV resistance
  - Contains high-melting polyolefin waxes to increase the temperature resistance and hydrophilicity of the surface
- Applications:**
- Raw material for bio based products
- Partly natural product, ideal for sustainable formulations
- Care products:
- Silky gloss after polishing
  - Water repellency
- Production of water based emulsions
- Emulsifiable under pressure using only a small dosage of emulsifier
- Paper, wood and textiles
- Improved slip
  - Water repellency
  - Improved sewing properties

### Technical Data:

Colour: Amber  
 Delivery forms: **DEUREX H 81 G** = Granules  
**DEUREX H 81 P** = Powder

	Minimum	Maximum	Method
Drop point*:	80 °C	100 °C	LV 12 (DGF M-III 3)
Acid value*:	18 mg KOH/g	25 mg KOH/g	DIN EN ISO 2114
Viscosity (140 °C):		30 mPas	LV 2 (DIN EN ISO3104)
Penetration:	4 mm*10 <sup>-1</sup>	8 mm*10 <sup>-1</sup>	LV 4 (DIN 51579)
Density (23 °C):	0.90 g/cm <sup>3</sup>	0.93 g/cm <sup>3</sup>	LV 3 (DIN EN ISO 1183)

\* Part of certificate of analysis

**Alternative delivery form:** **DEUREX® H 8101 W** – Water-based emulsion, 98% < 1 µm

**Alternative products:** **DEUREX® H 85 G** – Hybrid wax based on Sugar Cane wax and Hydrocarbon wax  
**DEUREX® X 52 G** – Sugar Cane wax granules

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