

DEUREX® H 81

TECHNICAL INFORMATION

- Chemical description:** 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 ⁻¹	8 mm*10 ⁻¹	LV 4 (DIN 51579)
Density (23 °C):	0.90 g/cm ³	0.93 g/cm ³	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