

## **DEUREX® H 81 G**

**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

Minimum Maximum Method Drop point\*: 90 °C 110 °C ASTM D 3954 Acid value\*: 15 mg KOH/g 25 mg KOH/g **ASTM D 1386** Viscosity (140 °C)\*: 50 mPas ISO 3219 8 mm\*10<sup>-1</sup> Penetration: 4 mm\*10<sup>-1</sup> **ASTM D 1321** Density (23 °C): 0.90 g/cm<sup>3</sup> ISO 1183 0.93 g/cm<sup>3</sup>

Alternative products: See https://www.deurex.com/productsearch/DEUREX-H-81-G/

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⑤ - registered trademark by DEUREX

Revision:

<sup>\*</sup> Part of certificate of analysis