



## BIOMER® 111

### TECHNICAL INFORMATION

**Product Family:** [BIOMERE – biodegradable waxes](#)

**Product Description:** Hardwax, modified, non-polar, straight chains

**Benefits:** Biodegradable high melting wax to prevent the formation of micro plastics

**Application, Properties:** See [www.DEUREX.com](http://www.DEUREX.com)

**Biodegradability:** Raw material is biodegradable according to the test method OECD 301 B

**Technical Data:**

Colour: White

	Typical value	Method
Drop point wax*:	110 – 118 °C	LV 12 (DGF M-III 3)
Viscosity wax:	< 40 mPas	LV 2 (DIN ISO 3104)
Penetration:	< 2 mm*10 <sup>-1</sup>	LV 4 (DIN 51579)

**BIOMER® 111 G**

Form of delivery: Granules

**BIOMER® 111 M**

Form of delivery:	Micronized powder	
Particle size*:	50 % < 10 µm	LV 5 (DIN ISO 13320)

**BIOMER® 111 D**

Form of delivery:	Dispersion, water-based wax	
Particle size, Disp:	50 % < 7 µm	LV 15 (DIN ISO 13320)
Solid content, Disp*:	44 – 46 %	LV 6 (DIN ISO 787-2)

**BIOMER® 111 O**

Form of delivery:	Dispersion, oil-based wax	
Particle size, Disp:	50 % < 8 µm	LV 15 (DIN ISO 13320)
Solid content, Disp*:	34 – 36 %	LV 6 (DIN ISO 787-2)

\*part of certificate of analysis

**Storage, Shelf life:**

**Solid form:** Dry storage. Store at temperatures (+5 °C to +28 °C)  
Shelf life: minimum 24 months

**Liquid form:** Store in closed original container at temperatures (+5 °C to +28 °C); Avoid frost.  
Shelf life: minimum 6 month

**Alternative Products:** **BIOMERE** – range of melting point from 60°C to 140°C  
See [www.DEUREX.com](http://www.DEUREX.com)