



## BIOMER® 111

### TECHNICAL INFORMATION

<b>Product Family:</b>	<b><u>BIOMERE – biodegradable waxes</u></b>
<b>Product Description:</b>	Hardwax, modified, non-polar, straight chains
<b>Benefits:</b>	Biodegradable high melting wax to prevent the formation of micro plastics
<b>Application, Properties:</b>	See <a href="http://www.DEUREX.com">www.DEUREX.com</a>
<b>Biodegradability:</b>	Raw material is biodegradable according to the test method OECD 301 B

#### Technical Data:

Colour: White

#### BIOMER® 111

	Typical value	Method
Drop point*:	110 – 118 °C	ASTM D 3954
Viscosity (140°C):	< 40 mPas	ISO 3219
Penetration:	< 2 mm*10 <sup>-1</sup>	ASTM D 1321
HLB-Value	1	Deurex Method

#### BIOMER® 111 G

Form of delivery: Granules

#### BIOMER® 111 M

Form of delivery: Micronized powder  
Particle size\*: 98 % < 20 µm  
Typical particle size: 50 % ~ 10 µm

ISO 13320

#### BIOMER® 111 D

Form of delivery: Dispersion, water-based wax  
Particle size, Disp\*: 98 % < 8 µm  
Solid content, Disp\*: 44 – 46 %

ISO 1524

IR Moisture-Analyzer

#### BIOMER® 111 O

Form of delivery: Dispersion, oil-based wax  
Typical  
Particle size (Wax)\*: 50 % < 8 µm  
Solid content, Disp: 34 – 36 %

ISO 13320

*\*part of certificate of analysis*

<b>Storage, Shelf life:</b>	<b>Solid form:</b> Dry storage. Store at temperatures (+5 °C to +28 °C) Shelf life: minimum 24 months
	<b>Liquid form:</b> Store in closed original container at temperatures (+5 °C to +28 °C); Avoid frost. Shelf life: minimum 6 month

**Alternative Products:** See [www.DEUREX.com](http://www.DEUREX.com) - **BIOMER**