

## BIOMER 111

### TECHNICAL INFORMATION

<b>Product Family:</b>	<b>BIOMER – biodegradable waxes</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>Biodegradability:</b>	Raw material is biodegradable according to the test method OECD 301 B
<b>Technical Data:</b>	Colour: White

	Typical value	Method	
<b>BIOMER 111</b>	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
<b>BIOMER 111 G</b>	Form of delivery:	Granules	
<b>BIOMER 111 M</b>	Form of delivery:	Micronized powder	
	Particle size*:	98 % < 20 µm	ISO 13320
	Typical particle size:	50 % ~ 10 µm	
<b>BIOMER 111 D</b>	Form of delivery:	Dispersion, water-based wax	
	Particle size, Disp*:	98 % < 8 µm	ISO 1524
	Solid content, Disp*:	44 – 46 %	IR Moisture-Analyzer
<b>BIOMER 111 O</b>	Form of delivery:	Dispersion, oil-based wax	
	Typical		
	Particle size (wax)*:	50 % < 8 µm	ISO 13320
	Solid content, Disp:	34 – 36 %	

\*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

<b>Further Information:</b>	Application, Properties, alternative Products: BIOMER 111 G: <a href="https://www.deurex.com/productsearch/BIOMER-111-G/">https://www.deurex.com/productsearch/BIOMER-111-G/</a> BIOMER 111 M: <a href="https://www.deurex.com/productsearch/BIOMER-111-M/">https://www.deurex.com/productsearch/BIOMER-111-M/</a> BIOMER 111 D: <a href="https://www.deurex.com/productsearch/BIOMER-111-D/">https://www.deurex.com/productsearch/BIOMER-111-D/</a> BIOMER 111 O: <a href="https://www.deurex.com/productsearch/BIOMER-111-O/">https://www.deurex.com/productsearch/BIOMER-111-O/</a>
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