



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

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

Technical Data: Colour: White

 BIOMER® 111
 Drop point*:
 110 – 118 °C
 ASTM D 3954

 Viscosity (140°C):
 < 40 mPas</td>
 ISO 3219

 Penetration:
 < 2 mm*10⁻¹
 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 ISO 13320

Typical particle size: 50 % ~ 10 µm

BIOMER® 111 D Form of delivery: Dispersion, water-based wax

Particle size, Disp*: 98 % < 8 µm ISO 1524

Solid content, Disp*: 44 – 46 % IR Moisture-Analyzer

BIOMER® 111 O Form of delivery: Dispersion, oil-based wax

Typical

Particle size (Wax)*: $50 \% < 8 \mu m$ ISO 13320

Solid content, Disp: 34 – 36 %

*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: See <u>www.DEUREX.com - BIOMER</u>

This data sheet is based on our current knowledge and experience. In view of the individual factors that may affect processing and application, this data does not relieve users from the responsibility of carrying out their own tests and experiments, neither do they imply any legally binding assurance of certain properties. Existing industrial/commercial protective laws have to be considered by the recipient. Updated versions of the data sheet replace all formerly existing versions.

® - registered trademark by DEUREX