



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

 Typical value
 Method

 Drop point wax*:
 110 – 118 °C
 LV 12 (DGF M-III 3)

 Viscosity wax:
 < 40 mPas</td>
 LV 2 (DIN ISO 3104)

 Penetration:
 < 2 mm*10-1</td>
 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