



BIOMER® 85 G

TECHNICAL INFORMATION

Product Family: <u>BIOMERE – biodegradable waxes</u>

Product Description: Hydrophilic oxidized lubricant

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

Properties: - Hydrophilic, easy to emulsify, reduced emulsifier quantity

- Harder, more stable towards paraffins

- Softer, more flexible towards polyolefin waxes

- VOC free, PFAS free

Applications: Production of water-based emulsions and dispersions for:

Textile industry (improved sewability and cutting of textiles)
 Care products, industrail cleaners (hydrophobing, gloss)
 Paper industry (hydrophobing, tensile strength, stability)

- Polishes (surface improvement)

- Leather (surface improvement, hydrophobing)

Anti-corrosive agent

Rubber industry (sunlight protection, ozone protection, non blooming)

Road markings (Easier workability, Improvement of the duration)

Metalworking (Surface lubricant)

Plastics Industry (Lubricant, Antiblocking)

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

Technical Data: Colour: Light yellow

Form of delivery: Granules

Typical valueMethodBIOMER® 85 GDrop point wax*:90 – 97 °CASTM D

 Drop point wax*:
 90 - 97 °C
 ASTM D 3954

 Viscosity wax (140 °C)*:
 20 mPas
 ISO 3219

 Acid value*:
 20 - 25 mg KOH/g
 ASTM D 1386

 Penetration:
 < 30 mm* $^{*}10^{-1}$ ASTM D 1321

HLB-Value: 12

Storage, Shelf life: Dry storage. Store at temperatures (+5 °C to +28 °C)

Shelf life: minimum 24 months

Alternative Products: See www.DEUREX.com - BIOMER

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^{*} part of certificate of analysis