



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:	<ul style="list-style-type: none">- Hydrophilic, easy to emulsify, reduced emulsifier quantity- Harder, more stable towards paraffins- Softer, more flexible towards polyolefin waxes- VOC free, PFAS free																		
Applications:	<p><u>Production of water-based emulsions and dispersions for:</u></p> <ul style="list-style-type: none">- Textile industry (improved sewability and cutting of textiles)- Care products, industrial cleaners (hydrophobing, gloss)- Paper industry (hydrophobing, tensile strength, stability)- Polishes (surface improvement)- Leather (surface improvement, hydrophobing)- Anti-corrosive agent <p><u>Rubber industry</u> (sunlight protection, ozone protection, non blooming)</p> <p><u>Road markings</u> (Easier workability, Improvement of the duration)</p> <p><u>Metalworking</u> (Surface lubricant)</p> <p><u>Plastics Industry</u> (Lubricant, Antiblocking)</p>																		
Biodegradability:	Raw material is biodegradable according to test method OECD 301 B																		
Technical Data:	Colour: Light yellow Form of delivery: Granules																		
BIOMER® 85 G	<table><thead><tr><th></th><th>Typical value</th><th>Method</th></tr></thead><tbody><tr><td>Drop point wax*:</td><td>90 – 97 °C</td><td>ASTM D 3954</td></tr><tr><td>Viscosity wax (140 °C)*:</td><td>20 mPas</td><td>ISO 3219</td></tr><tr><td>Acid value*:</td><td>20 – 25 mg KOH/g</td><td>ASTM D 1386</td></tr><tr><td>Penetration:</td><td>< 30 mm*10⁻¹</td><td>ASTM D 1321</td></tr><tr><td>HLB-Value:</td><td>12</td><td></td></tr></tbody></table>		Typical value	Method	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	
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	* part of certificate of analysis																		
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																		