

## BIOMER<sup>®</sup> 85 G

### TECHNICAL INFORMATION

<b>Product Family:</b>	<b><u>BIOMERE – biodegradable waxes</u></b>															
<b>Benefits:</b>	Biodegradable medium melting wax to prevent the formation of micro plastics															
<b>Chemical Description:</b>	Hydrophilic oxidized lubricant															
<b>Applications:</b>	<p><u>Production of water-based emulsions and dispersions for:</u></p> <ul style="list-style-type: none"><li>- Textile industry (improved sewability and cutting of textiles)</li><li>- Care products, industrial cleaners (hydrophobing, gloss)</li><li>- Paper industry (hydrophobing, tensile strength, stability)</li><li>- Polishes (surface improvement)</li><li>- Leather (surface improvement, hydrophobing)</li><li>- Anti-corrosive agent</li></ul> <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>															
<b>Properties:</b>	Very easy to emulsify with reduced emulsifier quantity															
<b>Biodegradability:</b>	BIOMER <sup>®</sup> 85 is biodegradable according to the test method OECD 301 B															
<b>Technical Data:</b>	Colour: Light yellow															
	<table><thead><tr><th></th><th><b>Typical value</b></th><th><b>Method</b></th></tr></thead><tbody><tr><td>Drop point wax*:</td><td>90 – 98 °C</td><td>LV 12 (DGF M-III 3)</td></tr><tr><td>Viscosity wax:</td><td>20 mPas</td><td>LV 2 (DIN EN ISO 3104)</td></tr><tr><td>Acid value*:</td><td>20 – 25 mgKOH/g</td><td>DIN EN ISO 2114</td></tr><tr><td>Penetration:</td><td>&lt; 30 mm*10<sup>-1</sup></td><td>LV 4 (DIN 51579)</td></tr></tbody></table>		<b>Typical value</b>	<b>Method</b>	Drop point wax*:	90 – 98 °C	LV 12 (DGF M-III 3)	Viscosity wax:	20 mPas	LV 2 (DIN EN ISO 3104)	Acid value*:	20 – 25 mgKOH/g	DIN EN ISO 2114	Penetration:	< 30 mm*10 <sup>-1</sup>	LV 4 (DIN 51579)
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<b>BIOMER<sup>®</sup> 85 G</b>	Form of delivery: Granules, prills															
	* part of certificate of analysis															
<b>Storage, Shelf life:</b>	Solid form: Dry storage. Store at temperatures (+5 °C to +28 °C) Shelf life: minimum 24 months															
<b>Alternative Products:</b>	<b>BIOMERE</b> – range of melting point from 60°C to 140°C See <a href="http://www.DEUREX.com/products">www.DEUREX.com/products</a>															