DEUREX
THE WAX COMPANY

BIOMER 129-Series

TECHNICAL INFORMATION

Product Family: BIOMER – biodegradable waxes

Product Description: Hardwax, dry oxidized, branched chains

Benefits: SPM-free, biodegradable, high-melting-point wax for enhanced surface hardness and scratch resistance

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

Technical Data:

Colour: White

		Typical value	Method
BIOMER 129-Series	Drop point*:	130 – 135 °C	ASTM D 3954
	Viscosity (140 °C):	< 2.000 mPas	ISO 3219
	Acid value:	23 – 27 mgKOH/g	ASTM D 1386
	Penetration:	< 2 mm*10^{-1}	ASTM D 1321
	HLB-Value:	12,8	DEUREX Method
BIOMER 129 P	Form of delivery:	Powder	
	Form of delivery:	Micronized powder	
BIOMER 129 M15	Particle size*:	98 % < 15 µm	ISO 13320
	Typical particle size:	50 % ~ 6 µm	ISO 13320
BIOMER 129 M20 (Formerly BIOMER 129 M)	Particle size*:	98 % < 20 µm	ISO 13320
	Typical particle size:	50 % ~ 7 µm	ISO 13320
BIOMER 129 M45	Particle size*:	98 % < 45 µm	ISO 13320
	Typical particle size:	50 % ~14 µm	ISO 13320
BIOMER 129 D10	Form of delivery:	Dispersion, water-based	
	Colour:	White opaque	
	Particle size:	98 % < 10 µm 50 % ~ 6 µm	ISO 1524
	Solid content *:	44 – 48 %	IR Moisture-Analyzer
BIOMER 129 E	Form of Delivery:	Emulsion, water-based	
	Colour:	Yellowish	
	Solid content*:	34 – 36 %	IR-Moisture-Analyzer
	Viscosity (23°C):	< 20 mPas	ISO 2555
	pH-value*:	8 – 10	pH-Electrode
BIOMER 129 O	Form of delivery:	Dispersion, oil-based	
	Colour:	Yellow	
	Particle size (wax)*:	50 % < 10 µm	ISO 13320
	Solid content:	18 – 20 %	

**part of certificate of analysis*

Further Information: The respective product name links directly to its applications, properties and alternative products.

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.

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