

DEUREX® H 9122 M

TECHNICAL INFORMATION

Chemical description:	Micronized hybrid wax, based on Fischer-Tropsch wax and Polyethylene wax		
Benefits:	Hybrid waxes offer a variety of wax properties:		
	<ul style="list-style-type: none"> - Contains short-chained polyethylene waxes to optimize adhesion and flexibility on the surface of the end product as well as UV resistance - Contains long-chained Fischer-Tropsch waxes to increase scratch and abrasion resistance - Contains high-melting polyolefin waxes to increase the temperature resistance and hydrophilicity of the surface 		
Applications:	<u>Paints and coatings</u>		
	- Liquid coatings, Powder coatings, can coatings, UV coatings		
	<u>Printing inks</u>		
	- Gravure, flexo, offset, radiation curing inks		
Properties:	<ul style="list-style-type: none"> - Excellent abrasion and scratch resistance - Very good chemical and weather resistance - Improved UV-resistance and anti-blocking properties 		
Processing:	<ul style="list-style-type: none"> - Economically beneficial due to the usage of less energy and lower temperatures in the production process - Reduction of manufacturing costs by quickly and effectively processing 		
Technical data:	Colour:	White	
	Delivery form:	DEUREX® H 9122 M = Micronized powder	
		Minimum	Maximum
	Particle size*:		98 % < 22 µm
	Typical value:		50 % ~ 8 µm
	Drop point*	110 °C	120 °C
	Penetration:		2 mm*10 ⁻¹
	Density (23 °C):	0.94 g/cm ³	0.95 g/cm ³
			Method
			LV 5 (DIN ISO 13320)
			LV 12 (DGF M-III 3)
			LV 4 (DIN 51579)
			LV 3 (DIN ISO 1183)
	* Part of certificate of analysis		
Approvals:	EU: Regulation (EU) 10/2011	BRD: BfR recommendation XXV	
	USA: FDA 21 CFR §§ 175.105; 175.250; 175.300; 175.320; 176.170; 176.180		
	(Approvals with regard to limitations and migration values in the final application)		
Alternative delivery forms:	DEUREX® H 91 K – Fine granules		
	DEUREX® H 9108 – Water-based dispersion, 98% < 8 µm		
Alternative products:	DEUREX® E 0920 M – Micronized polyethylene wax, 98% < 20 µm		
	DEUREX® T 3920 M – Micronized Fischer-Tropsch wax, 98% < 20 µm		
	BIOMER® 140 M – Micronized biodegradable wax, 98% < 10 µm		

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.

® - registered trademark by DEUREX