

DEUREX® F 6114 M

TECHNICAL INFORMATION

Chemical description: Micro-sized polyolefin wax, double coated with micro-sized PTFE

Benefits:

- PTFE features dominate
- Product can also completely replace PTFE

Applications:

Paints and coatings

- Powder coatings, can coatings, furniture and parquet coatings
- Automotive and industrial coatings, decorative paints

Printing inks

- Especially for sheetfed offset- as well as flexo- and gravure inks

Properties:

- Excellent abrasion and scratch resistance

Technical data:

Colour: White
Delivery forms: **DEUREX® F 6114 M** = Micro-sized powder

	Minimum	Maximum	Method
Particle size*:		98 % < 14 µm	LV 5 (ISO 13320)
Typical vlaue:		50 % ~ 6 µm	
Drop point (wax)*:	110 °C	120 °C	LV 12 (DGF M-III 3)
Density (23 °C) (wax):	0.94 g/cm³	0.95 g/cm³	LV 3 (DIN EN ISO 1183)
Melting point (PTFE)*:	320 °C	340 °C	LV 5 (ASTM D4591)
Density (23 °C) (PTFE):	2.15 g/cm³	2.25 g/cm³	LV 3 (DIN EN ISO 1183)

*Part of certificate of analysis

Approvals: DEUREX® F 6114 M is approved for the production of commodities intended to come into contact with food.

EU: Regulation (EU) 10/2011 dated 14th Januar 2011

BRD: BfR recommendation XXV

USA: FDA 21 CFR §§ 175.105; 175.300; 176.170; 176.180

(Approvals with regard to limitations and migration values in the final application)

Alternative delivery forms:

DEUREX® F 6008 M – Micro-sized powder (100% PTFE)
DEUREX® F 6214 M – Fully coated, wax is completely coated with PTFE
DEUREX® F 6314 M – Spot coated, stoichiometrically calculated amount of PTFE
DEUREX® F 6414 M – Eco coated, wax with a standard dose of PTFE
DEUREX® F 6001 W – Water-based dispersion of a micro-sized PTFE

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